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IN
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Vol. 1 March 27, 1908

GOLD, PRICES, AND WAGES
UNDER THE
GREENBACK STANDARD

BY
WESLEY C. MITCHELL

BERKELEY
THE UNIVERSITY PRESS
MARCH, 1908

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TO

S. H. G.

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PREFACE.

When "A History of the Greenbacks: 1862-1865" was published in 1903, I planned to extend that study as promptly as possible to the resumption of specie payments in 1879. The Carnegie Institution, through Professors Davis R. Dewey and Henry B. Gardner, made appropriations to defray the cost of compiling the necessary statistical tables. My plan of continuing the "History of the Greenbacks" has since been deferred to an uncertain future; partly in the hope of profiting by the detailed investigations which Professors Dewey and Gardner are supervising in connection with the Carnegie Institution's work in economic history, partly because I have found more pressing work. But, since both students of American economic history and students of money have use for such materials, the tables of the gold value of the greenbacks, of prices at wholesale and retail, of cost of living, and of wages are published separately in this volume.

The fact that these tables form the statistical apparatus of a book still to be written, leads me to present them without an elaborate discussion of their significance. The five chapters of text are intended primarily to show the sources of the data, their limitations and defects, the methods used in making the tables, the general character of the results, and the inter-relations between the fluctuations in the prices of different classes of goods.

The tables of prices and wages are novel in form; for deciles and medians are given in place of the familiar arithmetic means. This departure from precedent arises from an effort to secure results which show the range and variety of price- and wage-fluctuations more adequately than any of the common forms of averages. The nature of this device is explained in the chapter on wholesale prices. The reader who thinks the deciles too cumbrous, or who desires to use the most familiar form of average, will find in most cases that arithmetic means, as well as deciles and medians, have been prepared for him.

The chief sources of data regarding prices and wages in the United States during the period of the greenback standard are the two reports from Mr. J. D. Weeks published in Vol. XX of the *Tenth Census*, and the ''exhibits'' of the Aldrich Report. The material in Weeks's reports has never been analyzed with a view to ascertaining the general drift of the facts which it sets forth at such length, except for the few years covered by the ''History of the Greenbacks.'' But the material in the Aldrich Report was made the basis of elaborate tables of relative prices and relative wages, compiled under the direction of Professor Roland P. Falkner. My reasons for re-working this material are (1) that Professor Falkner did not use the price-quotations for April, July, and October, or the wage-quotations for July, and (2) that his methods have been shown by several critics to be seriously at fault. The new results obtained from this material are fuller than Falkner's for the years they cover, and show important divergencies from his figures in the degree of variation both of prices and of wages.

In compiling the tables great care has been exercised to guard against error, and every stage of the work has passed through the hands of at least two computers. Doubtless errors still remain undetected; but I do not think that there can be any of sufficient magnitude to affect the results appreciably.

To facilitate comparison, all the charts except the first and the last have been drawn to the same scale and reduced for reproduction in the same degree. In the two cases noted, index diagrams on the scale used for the other charts have been provided.

Acknowledgment is hereby made of aid received from the Carnegie Institution of Washington in the collection of data for this work. Professor Dewey has read the five chapters of text in MS.; Professor Carl C. Plehn has read part, and Professor Allyn A. Young has read all of the chapters in proof, and Mrs. Warren Gregory has read both the MS. and proof. To all these friends my thanks are due for kindly criticisms and valuable suggestions. The University of Chicago Press, the publisher of the ''History of the Greenbacks,'' has kindly consented to the use of statistical material covering the years 1860 to 1865, contained in the appendix of that volume. Mr. Joseph C. Rowell, Librarian of the University of California, has been most kind in helping me to get books from eastern libraries. I am also indebted to Mr. G. W. W. Hanger of the Bureau of Labor for information about a confused table in the Aldrich Report, and to Mr. David H. Parry, a recent graduate of the University of California, who has been a most efficient assistant in the compilation of the tables.

W. C. MITCHELL.

BERKELEY, March, 1908.

CHAPTER I.

THE PREMIUM ON GOLD AND THE SPECIE VALUE OF THE GREENBACKS.

I.—The Gold Markets.

When the New York banks suspended specie payments on Monday, December 30th, 1861, gold coin at once commanded a premium in paper money. For two weeks there was no organized market for gold; but people who desired to buy or sell coin resorted to the brokers in foreign money. On the 13th of January, however, the New York Stock Exchange began dealing in gold, a step which put the resources of a highly organized market at the disposal of those who wished to buy or sell coin or to speculate in "futures." Dealing in gold continued on the Stock Exchange until June 21, 1864, when the short-lived law prohibiting sales of gold outside of brokers' offices became effective. After this law was repealed transactions on the Stock Exchange were not regularly resumed, except for a brief period in October, 1869, when the Gold Exchange was closed because of the liquidation following "Black Friday."

Meanwhile other organized markets had been established. (1) The "Open Board" of stock brokers was a younger rival of the "regular" Stock Exchange, and like the latter added gold to the list of commodities dealt in. Its separate existence came to an end in 1869, when it was united with the Stock Exchange. (2) The "Evening Exchange" began informally when a number of men formed the habit of meeting in the corridors of the Fifth Avenue Hotel to continue speculating after the day exchanges had been closed. An enterprising Mr. Gallagher opened a luxurious room for the use of this company opposite the hotel in March, 1864. Here gold, together with railway and petroleum stocks, was bought and sold until midnight. This exchange was regarded with disfavor by many business men, ostensibly because speculating both night and day was detrimental to health and morals. After the discovery of the Ketchum gold-certificate frauds in August, 1865, the banks and the other exchanges united to suppress trading at night, by forbidding their members to frequent Gallagher's room. Accordingly the Evening Exchange was closed. (3) The market known popularly as the "Gold Room" and formally as the "New York Gold Exchange" grew out of the operations of a knot of men who began in 1862 to buy and sell gold in a basement in William Street. As the numbers and prosperity of the company increased, they moved the "Gold Room" several times to obtain more commodious quarters. After the Stock Exchange dropped gold from the "call list" in June, 1864, the "Gold Room" became the most important market for gold in the country and continued such until specie payments were resumed January 1st, 1879. At first its organization was very loose; but in October, 1864, it adopted a constitution and by-laws, and began to elect regular officers. May 1, 1877, it affiliated with the Stock Exchange, and was thereafter styled "The New York Stock Exchange, Gold Department."[1]

II.—Tables of the Premium on Gold.

The prices of gold in these various exchanges were regularly reported in the financial columns of the daily papers—often in much detail. The financial journals—such as *Hunt's Merchants' Magazine*, the *Bankers' Magazine*, and the *Commercial and Financial Chronicle*—usually contented themselves with publishing the opening, highest, lowest, and closing prices for each day. At intervals they compiled summary tables of daily highest and lowest prices for months or years. Similar tables were included in the statistical reports of such bodies as the Chamber of Commerce of the State of New York, and in the almanacs issued by various newspapers.

A more detailed record of the price of gold was preserved for most of the years of the paper standard in an annual publication issued by Mr. J. C. Mersereau, Register of the Gold Exchange, under the title "American Gold, 1862-(date of issue)." This little volume usually gave for the preceding year the quotation for gold at ten o'clock and every quarter hour thereafter until three in the afternoon of each business day, and in all cases it gave the highest and lowest prices for every business day from January 13, 1862, when gold was first quoted on the Stock Exchange to the end of the previous year.

---

[1] *Bankers' Magazine* (New York), Vol. 31, p. 989.

The tables of daily highest and lowest prices of gold found in the most important of these sources—namely: the *Commercial and Financial Chronicle,* the *Reports of the Chamber of Commerce of the State of New York,* and Mersereau's *American Gold* —are in close agreement with each other. Numerous small discrepancies exist—the quotations frequently vary by an eighth, sometimes by a quarter; but it matters little which set of tables is followed. Since Mersereau was the official register of the Gold Exchange, however, his tables take precedence in authority. Accordingly, Table 1, in the appendix, which gives the daily highest and lowest prices of gold, is based on "*American Gold,* 1862-1878"—the latest issue of Mersereau's annual I have been able to find. To guard against repeating the typographical errors which occur in Mersereau's table I have collated it with the Chamber of Commerce table and made several corrections. Since Mersereau's table is not available for 1878, the Chamber of Commerce figures, checked by those of the *Commercial and Financial Chronicle,* are used for the last year of the paper standard. To save space the premium on gold is given, instead of the price of gold in currency; and, to facilitate study of the depreciation in the specie value of the currency, columns have been added giving the prices of greenbacks in gold corresponding to the daily highest and lowest premiums on gold in greenbacks.

Mersereau does not state explicitly from what markets his quotations are taken; but comparison with other reports indicate that they refer to the Stock Exchange for January 13, 1862, to June 20, 1864, and thereafter to the Gold Exchange, except for the first part of October, 1869, when the Gold Exchange was closed and dealings were conducted on the Stock Exchange. The data for January 1-11, 1862, I have supplied from the financial columns of New York daily papers.

III.—Changes in the Premium on Gold and in the Gold Value of the Greenbacks.

It is unwise to begin the study of the fluctuations in the specie value of the paper standard by poring over the table of daily highest and lowest quotations given in the appendix. For the abundant detail of that table obscures the broader and more important features of the fluctuations. To make the latter plain two summary tables are presented here; one giving data by years, the other by months and quarters. The columns in these tables which show average prices are from the computations of Mr. E. B. Elliott, formerly Actuary of the Treasury. They are based on the opening, highest, lowest, and closing quotations of each business day, and are to be found in many of the statistical reports issued by the Treasury Department. The columns showing highest and lowest quotations are compiled from the table in the appendix. The chart which accompanies these tables shows for each month the average value of the greenbacks in gold and the range between the highest and lowest values. The corresponding prices of gold in greenbacks are shown in several of the later

TABLE 1.

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold: by years, 1862-1878.

	Prices of Gold in Greenbacks				Prices of Greenbacks in Gold			
Years	Lowest	Average	Highest	Range	Highest	Average	Lowest	Range
1862	100½	113.3	134	33½	99.50	88.3	74.63	24.87
1863	122⅛	145.2	172½	50⅜	81.88	68.9	57.97	23.91
1864	151½	203.3	285	133½	66.01	49.2	35.09	30.92
1865	128⅝	157.3	233¾	105⅛	77.75	63.6	42.78	34.97
1866	125	140.9	167¾	42¾	80.00	71.0	59.61	20.39
1867	132	138.2	146⅜	14⅜	75.76	72.4	68.32	7.44
1868	132⅛	139.7	150	17⅞	75.69	71.6	66.67	9.02
1869	119½	133.0	162½	43	83.68	75.2	61.54	22.14
1870	110	114.9	123¼	13¼	90.91	87.0	81.14	9.77
1871	108⅜	111.7	115⅜	7	92.27	89.5	86.67	5.60
1872	108½	112.4	115⅝	7⅛	92.17	89.0	86.49	5.68
1873	106⅛	113.8	119⅛	13	94.23	87.9	83.95	10.28
1874	109	111.2	114⅜	5⅜	91.74	89.9	87.43	4.31
1875	111¾	114.9	117⅝	5⅞	89.49	87.0	85.02	4.47
1876	107	111.5	115	8	93.46	89.8	86.96	6.50
1877	102½	104.8	107⅞	5⅜	97.56	95.4	92.70	4.86
1878	100	100.8	102⅞	2⅞	100.00	99.2	97.21	2.79

TABLE 2.

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1862.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	100½	102.5	105	99.50	97.6	95.24
February	102⅛	103.5	104¾	97.92	96.6	95.47
March	101⅛	101.8	102½	98.89	98.2	97.56
1st quarter	100½	102.6	105	99.50	97.5	95.24
April	101	101.5	102¼	99.01	98.5	97.80
May	102⅛	103.3	104⅛	97.92	96.8	96.04
June	103⅜	106.5	109½	96.74	93.9	91.32
2d quarter	101	103.8	109½	99.01	96.3	91.32
July	108¾	115.5	120⅛	91.95	86.6	83.25
August	112½	114.5	116¼	88.89	87.3	86.02
September	116½	118.5	124	85.84	84.4	80.65
3d quarter	108¾	116.2	124	91.95	86.1	80.65
October	122	128.5	133½	81.97	77.8	74.91
November	129	131.1	133¼	77.52	76.3	75.05
December	128½	132.3	134	77.82	75.6	74.63
4th quarter	122	130.6	134	81.97	76.6	74.63
Year	100½	113.3	134	99.50	88.3	74.63

1863.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	133⅝	145.1	160¾	74.84	68.9	62.21
February	152½	160.5	172½	65.57	62.3	57.97
March	139	154.5	171¾	71.94	64.7	58.22
1st quarter	133⅝	153.4	172½	74.84	65.2	57.97
April	145½	151.5	157⅞	68.73	66.0	63.34
May	143½	148.9	154¾	69.69	67.2	64.62
June	140½	144.5	148⅜	71.17	69.2	67.40
2d quarter	140½	148.3	157⅞	71.17	67.4	63.34
July	123¼	130.6	145	81.14	76.6	68.97
August	122⅛	125.8	129¾	81.88	79.5	77.07
September	126⅞	134.2	143⅛	78.82	74.5	69.87
3d quarter	122⅛	130.2	145	81.88	76.8	68.97
October	140⅜	147.7	156¾	71.24	67.7	63.80
November	143	148.0	154	69.93	67.6	64.94
December	148⅛	151.1	152¾	67.51	66.2	65.47
4th quarter	140⅜	148.9	156¾	71.24	67.2	63.80
Year	122⅛	145.2	172½	81.88	68.9	57.97

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1864.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	151½	155.5	159⅜	66.01	64.3	62.75
February	157⅛	158.6	161	63.64	63.1	62.11
March	159	162.9	169¾	62.89	61.4	58.91
1st quarter	151½	159.0	169¾	66.01	62.9	58.91
April	166¼	172.7	184¾	60.15	57.9	54.13
May	168	176.3	186¼	59.52	56.7	53.69
June	188½	210.7	250	53.05	47.5	40.00
2d quarter	166¼	186.6	250	60.15	53.6	40.00
July	222	258.1	285	45.05	38.7	35.09
August	231½	254.1	261¾	43.20	39.4	38.20
September	191	222.5	254½	52.36	44.9	39.29
3d quarter	191	244.9	285	52.36	40.8	35.09
October	189	207.2	227¾	52.91	48.3	43.91
November	210	233.5	260	47.62	42.8	38.46
December	212¾	227.5	243	47.00	44.0	41.15
4th quarter	189	222.7	260	52.91	44.9	38.46
Year	151½	203.3	285	66.01	49.2	35.09

1865.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	198⅛	216.2	233¾	50.47	46.3	42.78
February	196⅝	205.5	216½	50.86	48.7	46.19
March	148¼	173.8	201	67.45	57.5	49.75
1st quarter	148¼	198.5	233¾	67.45	50.4	42.78
April	144	148.5	153⅝	69.44	67.3	65.09
May	128⅝	135.6	145⅜	77.75	73.7	68.79
June	135⅞	140.1	147⅜	73.60	71.4	67.85
2d quarter	128⅝	141.4	153⅝	77.75	70.7	65.09
July	138¾	142.1	146	72.07	70.4	68.49
August	140¼	143.5	145⅜	71.30	69.7	68.79
September	142⅝	143.9	145⅞	70.11	69.5	68.55
3d quarter	138¾	143.2	146	72.07	69.8	68.49
October	144⅛	145.5	149	69.38	68.7	67.11
November	145⅞	147.0	148¾	68.55	68.0	67.23
December	144⅝	146.2	148½	69.14	68.4	67.34
4th quarter	144⅛	146.2	149	69.38	68.4	67.11
Year	128⅝	157.3	233¾	77.75	63.6	42.78

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1866.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	136¾	140.1	144⅝	73.13	71.4	69.14
February	135⅞	138.4	140⅝	73.60	72.3	71.11
March	125	130.5	136½	80.00	76.6	73.26
1st quarter	125	136.3	144⅝	80.00	73.3	69.14
April	125⅜	127.3	129½	79.76	78.6	77.22
May	125⅛	131.8	141½	79.92	75.9	70.67
June	137⅝	148.7	167¾	72.66	67.2	59.61
2d quarter	125⅛	135.9	167¾	79.92	73.6	59.61
July	147	151.6	155¾	68.03	66.0	64.21
August	146½	148.7	152¼	68.26	67.2	65.68
September	143¼	145.5	147⅛	69.81	68.7	67.97
3d quarter	143¼	148.6	155¾	69.81	67.2	64.21
October	145⅜	148.3	154⅜	68.79	67.4	64.78
November	137½	143.8	148⅝	72.73	69.5	67.28
December	131¼	136.7	141¾	76.19	73.2	70.55
4th quarter	131¼	142.9	154⅜	76.19	70.0	64.78
Year	125	140.9	167¾	80.00	71.0	59.61

1867.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	132	134.6	137⅞	75.76	74.3	72.53
February	135¼	137.4	140½	73.94	72.8	71.17
March	133⅜	135.0	140⅜	74.98	74.1	71.24
1st quarter	132	135.7	140½	75.76	73.7	71.17
April	132⅝	135.6	142	75.40	73.7	70.42
May	134⅞	137.0	138⅞	74.14	73.0	72.01
June	136⅜	137.5	138¾	73.33	72.7	72.07
2d quarter	132⅝	136.7	142	75.40	73.2	70.42
July	138	139.4	140¾	72.46	71.7	71.05
August	139⅞	140.8	142⅜	71.49	71.0	70.24
September	141	143.4	146⅜	70.92	69.7	68.32
3d quarter	138	141.2	146⅜	72.46	70.8	68.32
October	140¼	143.5	145⅝	71.30	69.7	68.67
November	137⅞	139.6	141½	72.53	71.6	70.67
December	133	134.8	137⅞	75.19	74.2	72.53
4th quarter	133	139.3	145⅝	75.19	71.8	68.67
Year	132	138.2	146⅜	75.76	72.4	68.32

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1868.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	133¼	138.5	142¼	75.05	72.2	70.30
February	139⅝	141.4	144	71.62	70.7	69.44
March	137⅞	139.5	141⅜	72.53	71.7	70.73
1st quarter	133¼	139.8	144	75.05	71.5	69.44
April	137¾	138.7	140⅜	72.60	72.1	71.24
May	139⅛	139.6	140½	71.88	71.6	71.17
June	139⅜	140.1	141¼	71.75	71.4	70.80
2d quarter	137¾	139.5	141¼	72.60	71.7	70.80
July	140⅛	142.7	145¼	71.36	70.1	68.85
August	143½	145.5	150	69.69	68.7	66.67
September	141⅛	143.6	145⅛	70.86	69.6	68.91
3d quarter	140⅛	143.9	150	71.36	69.5	66.67
October	133¾	137.1	140½	74.77	72.9	71.17
November	132⅛	134.4	137	75.69	74.4	72.99
December	134⅜	135.2	136¾	74.42	74.0	73.13
4th quarter	132⅛	135.6	140½	75.69	73.7	71.17
Year	132⅛	139.7	150	75.69	71.6	66.67

1869.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	134⅝	135.6	136⅞	74.28	73.7	73.06
February	130⅞	134.4	136¼	76.41	74.4	73.39
March	130¼	131.3	132½	76.78	76.2	75.47
1st quarter	130¼	133.8	136⅞	76.78	74.7	73.06
April	131¼	132.9	134¾	76.19	75.2	74.21
May	134⅝	139.2	144⅞	74.28	71.8	69.03
June	136⅜	138.1	139⅝	73.33	72.4	71.62
2d quarter	131¼	136.7	144⅞	76.19	73.2	69.03
July	134	136.1	137⅞	74.63	73.5	72.53
August	131¼	134.2	136⅝	76.19	74.5	73.19
September	130⅝	136.8	162½	76.56	73.1	61.54
3d quarter	130⅝	135.7	162½	76.56	73.7	61.54
October	128⅛	130.2	132	78.05	76.8	75.76
November	121⅛	126.2	128⅜	82.56	79.2	77.90
December	119½	121.5	124	83.68	82.3	80.65
4th quarter	119½	126.0	132	83.68	79.4	75.76
Year	119½	133.0	162½	83.68	75.2	61.54

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1870.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	119⅜	121.3	123¼	83.77	82.4	81.14
February	115	119.5	121½	86.96	83.7	82.30
March	110¼	112.6	116⅜	90.70	88.8	85.93
1st quarter	110¼	117.8	123¼	90.70	84.9	81.14
April	111½	113.1	115⅝	89.69	88.4	86.49
May	113¾	114.7	115½	87.91	87.2	86.58
June	110⅞	112.9	114¾	90.19	88.6	87.15
2d quarter	110⅞	113.6	115⅝	90.19	88.0	86.49
July	111⅛	116.8	122¾	89.99	85.6	81.47
August	114¾	117.9	122	87.15	84.8	81.97
September	112¾	114.8	116¾	88.69	87.1	85.65
3d quarter	111⅛	116.5	122¾	89.99	85.8	81.47
October	111⅛	112.8	114¼	89.99	88.7	87.53
November	110	111.4	113½	90.91	89.8	88.11
December	110½	110.7	111⅜	90.50	90.3	89.79
4th quarter	110	111.6	114¼	90.91	89.6	87.53
Year	110	114.9	123¼	90.91	87.0	81.14

1871.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	110½	110.7	111¼	90.50	90.3	89.89
February	110¾	111.5	112¼	90.29	89.7	89.09
March	110⅛	111.0	111⅝	90.81	90.1	89.59
1st quarter	110⅛	111.1	112¼	90.81	90.0	89.09
April	110⅛	110.6	111¾	90.81	90.4	89.49
May	111	111.5	112¼	90.09	89.7	89.09
June	111¾	112.4	113⅛	89.49	89.0	88.40
2d quarter	110⅛	111.5	113⅛	90.81	89.7	88.40
July	111¾	112.4	113¾	89.49	89.0	87.91
August	111⅝	112.4	113⅛	89.59	89.0	88.40
September	112¾	114.5	115⅜	88.69	87.3	86.67
3d quarter	111⅝	113.1	115⅜	89.59	88.4	86.67
October	111½	113.2	115	89.69	88.3	86.96
November	110⅜	111.2	112⅜	90.60	89.9	88.99
December	108⅜	109.3	110½	92.27	91.5	90.50
4th quarter	108⅜	112.2	115	92.27	90.0	86.96
Year	108⅜	111.7	115⅜	92.27	89.5	86.67

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1872.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	108½	109.1	110⅛	92.17	91.7	90.81
February	109½	110.3	111	91.32	90.7	90.09
March	109¾	110.1	110⅝	91.12	90.8	90.40
1st quarter	108½	109.8	111	92.17	91.0	90.09
April	109⅞	111.1	113¼	91.01	90.0	88.30
May	112⅛	113.7	114¾	89.19	88.0	87.15
June	113	113.9	114¾	88.50	87.8	87.15
2d quarter	109⅞	112.9	114¾	91.01	88.6	87.15
July	113⅜	114.3	115¼	88.20	87.5	86.77
August	112⅛	114.4	115⅝	89.19	87.4	86.49
September	112⅝	113.5	115⅛	88.79	88.1	86.86
3d quarter	112⅛	114.1	115⅝	89.19	87.6	86.49
October	112¼	113.2	115¼	89.09	88.3	86.77
November	111⅜	112.9	114¼	89.79	88.6	87.53
December	111⅜	112.2	113½	89.79	89.1	88.11
4th quarter	111⅜	112.8	115¼	89.79	88.7	86.77
Year	108½	112.4	115⅝	92.17	89.0	86.49

1873.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	111⅝	112.7	114¼	89.59	88.7	87.53
February	112⅞	114.1	115⅛	88.59	87.6	86.86
March	114⅝	115.5	118½	87.24	86.6	84.39
1st quarter	111⅝	114.1	118½	89.59	87.6	84.39
April	116¾	117.8	119⅛	85.65	84.9	83.95
May	116⅝	117.7	118⅝	85.74	85.0	84.30
June	115	116.5	118¼	86.96	85.8	84.57
2d quarter	115	117.3	119⅛	86.96	85.3	83.95
July	115	115.7	116⅜	86.96	86.4	85.93
August	114⅜	115.4	116¼	87.43	86.7	86.02
September	110⅞	112.7	116⅛	90.19	88.7	86.11
3d quarter	110⅞	114.6	116⅜	90.19	87.3	85.93
October	107⅝	108.9	111¼	92.92	91.8	89.89
November	106⅛	108.6	110½	94.23	92.1	90.50
December	108⅝	110.0	112⅝	92.06	90.9	88.79
4th quarter	106⅛	109.2	112⅝	94.23	91.6	88.79
Year	106⅛	113.8	119⅛	94.23	87.9	83.95

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1874.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	110⅛	111.4	112⅛	90.81	89.7	89.19
February	111⅜	112.3	113	89.79	89.1	88.50
March	111¼	112.1	113⅝	89.89	89.2	88.01
1st quarter	110⅛	111.9	113⅝	90.81	89.3	88.01
April	111¾	113.4	114⅜	89.49	88.2	87.43
May	111⅞	112.4	113⅛	89.39	89.0	88.40
June	110½	111.3	112¼	90.50	90.0	89.09
2d quarter	110½	112.4	114⅜	90.50	89.0	87.43
July	109	110.0	110⅞	91.74	91.0	90.19
August	109¼	109.7	110¼	91.53	91.2	90.70
September	109⅜	109.7	110¼	91.43	91.2	90.70
3d quarter	109	109.8	110⅞	91.74	91.1	90.19
October	109¾	110.0	110⅜	91.12	91.0	90.60
November	110	110.9	112⅜	90.91	90.2	88.99
December	110½	111.7	112⅜	90.50	89.6	88.99
4th quarter	109¾	110.9	112⅜	91.12	90.2	88.99
Year	109	111.2	114⅜	91.74	89.9	87.43

1875.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	111¾	112.5	113⅜	89.49	88.9	88.20
February	113¼	114.5	115⅜	88.30	87.3	86.67
March	114⅜	115.5	117	87.43	86.6	85.47
1st quarter	111¾	114.2	117	89.49	87.6	85.47
April	114	114.8	115¾	87.72	87.1	86.39
May	115	115.8	116⅜	86.96	86.3	85.93
June	116¼	117.0	117½	86.02	85.4	85.11
2d quarter	114	115.9	117½	87.72	86.3	85.11
July	111¾	114.8	117¼	89.49	87.2	85.29
August	112⅝	113.5	114¾	88.79	88.1	87.15
September	113¾	115.8	117⅜	87.91	86.4	85.20
3d quarter	111¾	114.7	117⅜	89.49	87.2	85.20
October	114½	116.4	117⅝	87.34	85.9	85.02
November	114⅛	114.7	116⅜	87.62	87.2	85.93
December	112⅝	113.9	115¼	88.79	87.8	86.77
4th quarter	112⅝	115.0	117⅝	88.79	86.9	85.02
Year	111¾	114.9	117⅝	89.49	87.0	85.02

TABLE 2—(CONTINUED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1876.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	112⅜	112.8	113¼	88.99	88.6	88.30
February	112¾	113.4	114⅛	88.69	88.2	87.62
March	113¾	114.3	115	87.91	87.5	86.96
1st quarter	112⅜	113.5	115	88.99	88.1	86.96
April	112½	113.0	113⅞	88.89	88.5	87.82
May	112¼	112.6	113¼	89.09	88.8	88.30
June	111⅞	112.5	113	89.39	88.9	88.50
2d quarter	111⅞	112.7	113⅞	89.39	88.7	87.82
July	111⅜	111.9	112½	89.79	89.4	88.89
August	109¾	111.2	112⅛	91.12	89.9	89.19
September	109¼	110.0	110⅜	91.53	90.9	90.60
3d quarter	109¼	111.0	112½	91.53	90.1	88.89
October	108⅞	109.7	113¼	91.85	91.2	88.30
November	108⅛	109.1	110⅛	92.49	91.7	90.81
December	107	107.9	109	93.46	92.6	91.74
4th quarter	107	108.9	113¼	93.46	91.8	88.30
Year	107	111.5	115	93.46	89.8	86.96

1877.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	105¼	106.3	107⅛	95.01	94.0	93.35
February	104⅝	105.4	106⅛	95.58	94.8	94.23
March	104¼	104.8	105⅜	95.92	95.4	94.90
1st quarter	104¼	105.3	107⅛	95.92	94.8	93.35
April	104¾	106.2	107⅞	95.47	94.2	92.70
May	106¼	106.9	107⅜	94.12	93.5	93.13
June	104¾	105.4	106⅜	95.47	94.9	94.01
2d quarter	104¾	106.2	107⅞	95.47	94.2	92.70
July	105⅛	105.4	106⅛	95.12	94.9	94.23
August	103⅞	105.0	105½	96.27	95.2	94.79
September	102⅞	103.3	104	97.21	96.8	96.15
3d quarter	102⅞	104.6	106⅛	97.21	95.6	94.23
October	102½	102.8	103⅜	97.56	97.3	96.74
November	102½	102.8	103⅜	97.56	97.3	96.74
December	102½	102.8	103⅜	97.56	97.3	96.74
4th quarter	102½	102.8	103⅜	97.56	97.3	96.74
Year	102½	104.8	107⅞	97.56	95.4	92.70

TABLE 2—(CONCLUDED).

Lowest, average, and highest price of gold in greenbacks, and of greenbacks in gold, by months, quarters, and years: 1862-1878.

1878.

	Price of Gold in Greenbacks			Price of Greenbacks in Gold		
	Lowest	Average	Highest	Highest	Average	Lowest
January	101¼	102.1	102⅞	98.77	97.9	97.21
February	101⅝	102.0	102⅜	98.40	98.0	97.68
March	100¾	101.2	102	99.26	98.8	98.04
1st quarter	100¾	101.7	102⅞	99.26	98.2	97.21
April	100⅛	100.6	101¼	99.88	99.4	98.77
May	100¼	100.7	101¼	99.75	99.3	98.77
June	100⅝	100.8	101	99.38	99.2	99.01
2d quarter	100⅛	100.7	101¼	99.88	99.3	98.77
July	100⅜	100.5	100¾	99.63	99.5	99.26
August	100½	100.5	100¾	99.50	99.5	99.26
September	100⅛	100.4	100½	99.88	99.6	99.50
3d quarter	100⅛	100.5	100¾	99.88	99.5	99.26
October	100¼	100.5	101⅞	99.75	99.5	98.16
November	100⅛	100.2	100½	99.88	99.8	99.50
December	100	100.1	100½	100.00	99.9	99.50
4th quarter	100	100.3	101⅞	100.00	99.7	98.16
Year	100	100.8	102⅞	100.00	99.2	97.21

charts. The present chart is drawn to two scales; the larger one chosen to throw the fluctuations into high relief, the smaller to show how the same fluctuations appear when represented on the flat scale used in the charts of relative prices and wages.

These summary tables and the chart show the existence of four clearly differentiated periods in the fluctuations of the premium during the 17 years of the greenback standard of value. The first period begins with the suspension of specie payments and ends in April, 1865, with Lee's surrender. It is characterized by violent fluctuations in the price of gold and high average premiums. The second period extends from May, 1865, to "Black Friday," September 24, 1869. During these years the gold market was on the whole quieter than it had been during the war, the premium averaged much lower than in 1864 and the early months of 1865, and the range of fluctuations was narrower —even in 1866, the year when McCulloch's policy of contraction was checked and when London suffered the Overend-Gurney panic, and in 1869, the year of "Black Friday." But despite many temporary ups and downs there was no permanent reduction of the premium within this period; for the average gold quotation of its first month was 135.6 and of its last month 136.8. The third period begins October, 1869, and extends to March, 1876. This period, when compared with the second, is characterized by a much lower average premium and a narrower range of fluctuations; but it is like the second in showing no permanent reduction of the premium within its own limits. The average premium for the last year, 1875, is the same as the average for the first year, 1870. Doubtless the generally lower level about which the premium fluctuated during these years was due mainly to the improvement in the financial credit of the government caused by the "public credit" act of 1869, by successful refunding operations, and by the reduction of the principal of the public debt. That no progressive decline of the premium took place between the beginning and the end of the period was due to the fact that the prospect of resumption of specie payments seemed as remote in 1875 as it had seemed in 1870. The resumption act bears the date January 14, 1875, to be sure; but current comment of well-informed journals shows that at the time of its enactment it was not taken seriously by the public. One interesting feature of this period is that the great crisis of 1873 led to a sharp fall of the premium, despite the fact that the Secretary of the Treasury reissued $26,000,000 of greenbacks which had been withdrawn by Secretary McCulloch. The final period in the history of the paper standard extends from April, 1876, to the resumption of specie payments on January 1st, 1879. It is characterized by an almost unbroken decline in the premium on gold and a narrow range of fluctuations. The reason for this decline—at least after March, 1877, when John Sherman became secretary of the treasury—is obviously found in the effective preparations to execute the resumption act of 1875, and the fortunate turn of foreign trade which facilitated Sherman's operations.

Study of the monthly table of gold quotations, of the chart which follows, and of the detailed table in the appendix, shows that each of these four periods contains within it numerous upward and downward movements, some of which extended over many months and covered a wide range. Thus the first period shows five well marked subdivisions. (1) January to April, 1862, when the hope of ending the war in the spring was high, the premium was small and steady. (2) From April, 1862, to February, 1863, there occurred an almost unbroken advance in the premium connected with the failure of McClellan's peninsula campaign, the second issue of the greenbacks, the administration's losses in the autumn elections, Chase's depressing finance report, Burnside's defeat at Fredericksburg, and the third legal tender act. (3) From March to August the premium fell, mainly because of Mr. Jay Cooke's success in selling bonds, the victory of Gettysburg, and the capture of Vicksburg and Port Hudson. (4) From September to July, 1864, the premium rose again because of disappointment over Lee's escape, lack of military progress, the dilatoriness of Congress in voting taxes, the Treasury's futile campaign against speculators in gold, and the difficulty in selling bonds. (5) Finally the fall of the premium from August, 1864, to May, 1865, was brought about by the victories of Grant, Sherman, and Sheridan which put an end to the war. Still more detailed study shows minor ups and downs, varying the general trend, within each of these smaller periods.[2]

Investigation of these minor fluctuations in the price of gold would be of slight interest without a thorough-going attempt to find the multifarious causes which produced them. But such an attempt would require the presentation and analysis of much material which finds no place in the present volume of statistical tables. The one topic which can be treated on the basis of these tables is the connection between the fluctuations of the price of gold and the fluctuations of the relative prices of commodities and labor. And this topic, of course, cannot be taken up until the tables of relative prices and wages have been presented.

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[2] A detailed account of the fluctuations in the specie value of the greenbacks from 1862 to 1865 is given in *A History of the Greenbacks*, part ii, chapter iii.

CHAPTER II.

The Prices of Commodities at Wholesale.

I.—Material and Methods.

The primary purpose of the following tables is to provide material for investigating the influence of the variations in the specie value of the irredeemable paper standard of 1862 to 1878 upon prices at wholesale. This purpose, together with the limitations of the available data, determines the chief features of the tables.

(1) The frequency of wide fluctuations in the premium on gold makes it desirable to have a table showing relative prices at brief intervals. The best that can be done in this direction with the available data is to make a quarterly table. In the exhibits of the *Aldrich Report*[1] there are 150 approximately complete series of wholesale price quotations for January, April, July, and October; or for February, May, August, and November of each year from 1860 to 1880. To these may be added three similar series for different grades of wool, compiled by Messrs. Mauger and Avery. A larger number of series could be found if we were content with one index number for each year instead of four; but the gain in comprehensiveness of material would be more than offset by the diminution in the number of points at which comparison could be made with the premium on gold.

(2) To compare the fluctuations in the prices of commodities with the fluctuations in the price of gold it is necessary to treat the prices quoted at various dates after suspension of specie payments as percentages of the prices prevailing before suspension. Since many of the series to be used do not go back of 1860 it is not possible to use average prices for a decade or five years as the basis; and since 1861 was a year of marked business depression and exceptionally low wholesale prices it seems desirable to de-

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[1] Technically designated as ''Wholesale Prices, Wages and Transportation. Report by Mr. Aldrich from the Committee on Finance, March 3, 1893, 52d Congress, 2nd session, Senate Report, 1394.''

pend upon the prices of 1860 alone. Accordingly relative prices have been computed uniformly upon the basis: actual prices in 1860 = 100.[2]

(3) Of the 153 available series a large number represent quotations for slightly different forms of the same commodity, or for closely related commodities. For example, there are 3 series for flaxseed, 5 for starch, 2 for pails with two hoops and 1 for pails with three hoops, etc. To use several series for some commodities, while other commodities are represented by but one series, is a course purposely adopted by certain statisticians—for example, Mr. Sauerbeck—as a rough method of weighting. But in the *Aldrich Report* the commodities represented by 2 or more series are in many cases of minor importance, and to use all these series, as Professor Falkner did in constructing his table of wholesale prices from this material, gives averages weighted in a manner which cannot be defended.[3] Since there is seldom ground for selecting one of the two or more series in preference to the others, in all such cases I have computed averages of the relative prices of the related series and used the resulting series of averages in making the tables.

To determine what series are so closely related as to require this treatment is often a delicate task. In doubtful cases I have preferred to put the commodities into a group rather than to leave them separate: for example, I have used a single series of averages to represent the relative prices of all the cotton textiles. But where prices are quoted for a raw material and products made from it I have always kept at least two series—for example, cotton and cotton textiles, corn and corn meal, hides and leather, wheat, wheat-flour, and crackers, etc. In all, 29 groups have been made from 90 individual series. The resulting series of average relative prices for these 29 groups, together with the 63 series of relative prices for commodities for which but one set of quotations is available, make a total of 92 series used in the tables.[4]

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[2] In the case of commodities subject to marked seasonal fluctuations of price I have used the average of the quarterly quotations for 1860 as the basis. In other cases I have preferred to maintain, so far as possible, comparability with the series of relative prices computed under Professor Falkner's direction for Senator Aldrich's committee by following his example in selecting the price of some one month. Usually this month is January; but in certain instances Professor Falkner deemed the price of some other month more significant. The relative prices of the different kinds of lumber for example, are based on the July quotations for 1860. The base used in each series can be made out by examining the relative prices for the four quarters of 1860 as shown in Table 2 of the appendix.

[3] Compare *A History of the Greenbacks*, pp. 249-254. Falkner's error in this respect is being perpetuated by the Bureau of Labor in its table of relative prices at wholesale since 1890.

(4) Weights have not been used in making the tables. In an attempt to learn what influence is exercised by monetary factors on prices the importance of a commodity as an article of trade or of consumption is not a relevant consideration. However, if one proceeds to investigate the economic significance of the fluctuations which have occurred in the wholesale price-level, the relative importance of the commodities included in the tables becomes a matter of concern. To serve such purposes I would have constructed a second set of weighted tables had I been able to find data showing approximately the relative importance of the commodities represented by the 92 series as articles of wholesale trade. But the attempt to devise a scheme of weights showed that so large an element of conjecture is involved as to make the results of doubtful value. Professor Falkner, to be sure, constructed weighted averages from the Aldrich data, obtaining his weights from budgets of expenditures by workingmen's families. Such budgets of course are based on purchases at retail, and several of Falkner's critics have pointed out that his use of them for weighting wholesale prices is objectionable in principle and imperfect in practice. Sharing these views, I have reserved this plan of weighting for application to the retail price series of the next chapter, and limited the treatment of wholesale prices substantially to making a set of "simple" tables.

(5) In making tables of prices the commonest method is to compute for each date arithmetic means of the relative prices of all series used and to present these means as a representation of the movements of the price-level during the period covered. This method is sometimes varied by using geometric means, medians, or modes, in place of arithmetic means. Since the days of Jevons, the relative merits of these various forms of average has been

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[4] The details of the grouping are shown in Table 2 of the appendix. The names of the 92 series used in the tables of the text are incidentally shown in Table 14.

one of the conventionally accepted topics of discussion among economic statisticians. Little attention, however, has been paid to the fact that no single set of averages, whatever their form, can be an adequate representation of the complex phenomena of a rise or fall in prices. All that a set of averages can be made to show is a net result of the diverse fluctuations in the prices of the commodities for which quotations are available. For some purposes for which price tables are used this net result may be all that is required. But whenever the purpose is to make a thorough examination of changes in prices, any table which gives only two numbers to represent the relative price-level at different dates is an inadequate device. The variety of the relative prices of different commodities on the same date; their dispersion over a wide or narrow range; their concentration around certain points or within certain limits; and the variety of changes which occur between two dates cannot be shown by such means. Taken by themselves, indeed, averages represented by single numbers may be positively misleading in the impressions which they give; and though this seldom happens in practice with price statistics, it is the rule that fuller information than averages give would make the investigation more fruitful. In brief, for the thorough study of price-movements a form of tables is required which represents the facts more adequately than does a series of averages; but which at the same time represents them in such a systematic form as to give distinct impressions.

After unsatisfactory experimenting with tables and surfaces of frequency, I devised for this purpose what may be called tables of deciles.[5] They give for each date the highest and lowest of the relative prices found among the series used, and also the points in the scale of relative prices which divide the whole number of series as nearly as may be into ten equal parts. These dividing points—the deciles—thus correspond in character to medians; indeed the fifth decile is the median. To determine the deciles for any date it is necessary (1) to make out a tally-sheet which has a scale of relative prices running from the lowest to the highest relative price appearing on that date; (2) to enter

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[5] See ''Methods of Presenting Statistics of Wages.'' Quarterly Publications of the American Statistical Association; December, 1905.

TABLE 3.

Specimen of the tally-sheets used in finding the deciles of relative wholesale prices. Date, October, 1873.

NOTE.—See the explanation on pp. 19, 21, 22.

Scale of relative prices	Number of series	Cumulative sums	Deciles
58	1	1	
75			
6	1	2	
7			
8	2	4	
9			
80			
1			
2			
3			
4			
5	1	5	
6	1	6	
7			
8			
9	1	7	
90			
1	2	9	
2	1	10	1st d.
3			
4	1	11	
5	1	12	
6			
7			
8	1	13	
9			
100			
1			
2			
3	4	17	
4	2	19	2d d.
5			
6	3	22	
7			
8			
9			
110	2	24	
1			
2	1	25	
3			
4	2	27	
5			
6	1	28	3d d.
7			
8			
9			
120	4	32	
1			
2	1	33	
3	1	34	
4	2	36	
5	1	37	4th d.
6	3	40	
7	2	42	
8	1	43	
9	1	44	
130	1	45	
1	2	47	Med.
2			
3	2	49	
4			
5			
6	1	50	
7	1	51	
8			
9			
140			
1	1	52	
2	2	54	
3			
4			
5			
6	1	55	6th d.
7	1	56	
8	1	57	
9			
150	6	63	
1	1	64	7th d.
2			
3	1	65	
4			
5			
6			
7			
8	2	67	
9			
160	1	68	
1	3	71	
2			
3			
4			
5	1	72	
6			
7	1	73	8th d.
8	1	74	
9			

TABLE 3—(CONCLUDED).

Specimen of the tally-sheets used in finding the deciles of realtive wholesale prices. Date, October, 1873.

Scale of relative prices	Number of series	Cumulative sums	Deciles
170			
1			
2			
3			
4	1	75	
5	1	76	
6			
7	1	77	
8	1	78	
9			
180	1	79	
1			
2			
3	1	80	
4			
5			
6			
7	1	81	
8			
9			
190			
1			
2			
3			
4			
5			
6	1	82	9th d.
7			
8			
9			
200	2	84	
218	1	85	
224	1	86	
226	1	87	
7	1	88	
241	1	89	
250	1	90	
367	1	91	
No quotation for this date	1		

Division of whole number of series into tenths.

.1= 9.1
.2=18.2
.3=27.3
.4=36.4
.5=45.5
.6=54.6
.7=63.7
.8=72.8
.9=81.9
1.0=91.0

Results: lowest relative price, the 9 deciles, and highest relative price.

Lowest	58
1st d.	92
2d d.	104
3d d.	116
4th d.	125
Med.	131
6th d.	146
7th d.	151
8th d.	167
9th d.	196
Highest	367

every series at its appropriate point in this scale of relative prices; (3) to cast cumulative sums showing the number of series at and below (or above) every point of this scale; (4) to divide the number of the series used into successive tenths; (5) to mark off in the column of cumulative sums the points which contain these successive tenths, and (6) to write down the relative prices opposite these dividing points as the deciles. This process can be easily followed by examining the specimen tally sheet which is subjoined.

Most of the tables of deciles are supplemented by ordinary series of arithmetic means computed from the tally-sheets used for finding the deciles. The chief purpose in presenting these arithmetic means is to facilitate comparison with other tables of prices for the same or different years.

II.—Relative Prices of 92 Commodities at Wholesale: 1860-1880.

The results of applying the methods described to the 92 series of relative prices at wholesale are presented in Table 4. The column headed ''Number of series'' shows for each date how many of the whole number of series have quotations on that date from which relative prices can be computed. Generally the number is less than 92, because many of the original sets of quotations are not complete for every quarter of every year. The other columns are to be interpreted after the following fashion: In January, 1865, of the 90 commodities for which relative prices are available one-tenth had relative prices ranging between 89 and 160, a second tenth had relative prices ranging between 160 and 176, a third tenth between 176 and 191, a fourth tenth between 191 and 200, etc.

On studying the table one finds that the wholesale price-fluctuations of 1860-1880 were characterized (1) by extraordinary diversity in the degree of rise and fall of different commodities, and (2) by a strongly marked upward trend culminating in January, 1865, and a strongly marked downward trend culminating in July, 1879. Both of these characteristics require analysis.

The extreme diversity in the price-movements of different commodities is shown by the wide intervals between the lowest and highest relative prices on each date. Some commodity had a relative price less than 100 on every date except January, 1866, and some commodity stood above 300 every date after 1861. The

TABLE 4.

Relative wholesale prices of 92 commodities: by quarters, 1860-1880.

NOTE.—Regarding interpretation, see explanation on p. 22; regarding method of construction, see p. 19 and Table 3.

Date	No. of Series	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860												
Jan.	91	80	100	100	100	100	100	100	100	100	107	149
Apr.	91	81	95	98	100	100	100	100	103	109	115	142
July	92	75	89	95	96	99	100	100	100	103	113	136
Oct.	92	77	90	93	97	100	100	100	101	109	118	159
1861												
Jan.	91	74	83	89	94	97	100	100	103	108	117	155
Apr.	92	52	80	89	90	94	96	100	102	109	117	173
July	90	50	66	76	86	91	96	100	100	108	120	205
Oct.	92	60	75	83	90	94	97	100	103	111	125	363
1862												
Jan.	91	63	80	89	93	96	100	105	117	133	150	380
Apr.	92	70	80	90	93	95	100	103	117	127	149	370
July	92	52	75	88	91	98	100	106	117	127	167	640
Oct.	90	65	81	91	100	102	111	118	125	133	165	563
1863												
Jan.	88	75	93	100	109	117	125	132	143	159	193	625
Apr.	87	72	100	112	125	129	137	150	163	186	233	675
July	87	67	100	106	117	127	134	144	157	175	200	895
Oct.	88	67	100	112	120	129	135	141	150	170	200	773
1864												
Jan.	89	69	114	127	140	145	156	166	178	200	228	750
Apr.	88	75	124	133	151	161	169	178	198	212	261	960
July	88	89	139	157	167	181	194	200	221	266	308	1410
Oct.	88	94	147	166	174	194	200	217	237	263	337	1101
1865												
Jan.	90	89	160	176	191	200	216	241	256	272	318	1096
Apr.	89	94	133	150	162	179	190	200	212	240	270	796
July	90	79	105	128	138	150	158	171	189	207	252	759
Oct.	90	96	125	138	150	168	175	200	216	243	277	833
1866												
Jan.	92	100	122	135	154	170	182	200	209	232	277	824
Apr.	91	94	115	126	149	161	173	190	200	215	250	833
July	92	89	120	137	147	167	181	195	200	219	250	815
Oct.	91	93	123	137	150	158	173	181	199	212	263	880
1867												
Jan.	91	89	112	125	142	153	169	174	190	209	228	861
Apr.	91	89	110	125	141	154	166	175	197	207	228	648
July	91	86	107	119	136	147	150	164	180	202	233	870
Oct.	89	87	109	123	142	150	162	173	185	197	220	741
1868												
Jan.	91	85	100	119	132	150	158	170	187	200	225	787
Apr.	91	84	100	126	135	150	162	177	188	200	250	787
July	92	82	100	122	132	143	154	173	180	195	206	435
Oct.	91	88	105	121	138	150	159	173	179	196	221	500
1869												
Jan.	90	82	103	117	132	150	159	172	180	190	227	361
Apr.	92	81	108	125	135	146	159	172	180	196	220	377
July	91	73	100	117	134	141	158	167	178	187	200	361
Oct.	91	68	100	118	136	142	153	162	177	181	200	444

TABLE 4—(CONCLUDED).

Relative wholesale prices of 92 commodities: by quarters, 1860-1880.

Date	No. of Series	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1870												
Jan.	90	70	100	112	128	140	147	152	166	178	200	352
Apr.	92	67	100	106	123	132	140	147	159	174	200	367
July	92	67	98	108	123	127	132	144	161	179	200	380
Oct.	92	65	100	104	119	129	135	147	154	174	192	324
1871												
Jan.	92	60	94	105	119	127	133	141	154	171	189	343
Apr.	91	61	100	110	121	127	131	140	150	164	180	337
July	92	64	90	102	118	125	130	142	149	158	180	333
Oct.	92	64	97	111	118	125	129	142	150	162	182	361
1872												
Jan.	92	55	100	108	121	129	133	142	150	164	185	343
Apr.	90	55	93	105	120	130	140	150	159	171	200	324
July	92	55	90	104	117	125	130	144	152	169	198	330
Oct.	91	55	97	116	122	129	133	144	153	173	195	326
1873												
Jan.	92	55	92	110	124	129	135	145	153	164	194	361
Apr.	92	58	94	105	125	130	137	147	156	168	200	333
July	92	58	92	103	114	123	130	142	152	168	196	333
Oct.	91	58	92	104	116	125	131	146	151	167	196	367
1874												
Jan.	92	58	97	106	115	124	130	141	150	160	200	352
Apr.	92	58	95	106	116	122	129	140	150	170	200	346
July	92	58	95	106	111	118	130	139	146	166	199	352
Oct.	91	58	92	105	112	124	130	136	142	156	185	394
1875												
Jan.	92	67	93	103	110	121	127	133	147	160	193	359
Apr.	92	64	92	102	109	119	125	136	145	152	172	407
July	92	55	92	99	105	112	121	129	140	149	174	432
Oct.	92	45	89	99	106	110	120	129	137	150	162	426
1876												
Jan.	92	59	89	95	100	109	117	125	131	144	160	398
Apr.	92	61	85	95	103	106	115	125	131	144	159	394
July	92	64	79	91	98	104	110	117	123	137	156	391
Oct.	91	55	80	89	95	101	108	116	127	140	153	393
1877												
Jan.	92	61	78	89	100	107	114	124	129	138	160	393
Apr.	92	41	76	86	92	100	108	119	126	136	150	409
July	92	41	75	83	89	99	100	110	123	133	158	391
Oct.	92	41	76	83	88	96	102	112	120	128	137	396
1878												
Jan.	91	45	74	81	85	90	99	108	117	125	140	382
Apr.	91	36	67	76	80	85	96	100	113	125	142	378
July	91	36	67	72	77	85	90	97	102	109	132	378
Oct.	90	45	63	69	78	85	94	100	106	120	138	380
1879												
Jan.	91	46	57	68	76	83	88	94	107	124	142	370
Apr.	91	36	62	68	75	81	84	95	104	119	150	370
July	91	36	59	67	72	81	85	93	103	118	150	370
Oct.	90	36	64	75	80	86	95	102	110	123	144	380
1880												
Jan.	89	36	78	86	93	100	108	116	123	133	150	393
Apr.	90	36	74	87	94	102	107	112	122	140	164	382
July	90	36	69	79	87	95	102	108	117	126	150	385
Oct.	90	36	73	85	91	97	101	110	118	126	142	398

narrowest range after 1861 was 259 points in the scale of relative prices (October, 1870); the widest range was 1321 points (July, 1864, when cotton had a relative price of 1410); and the average range was 422.5 points. The extremely high and extremely low relative prices are shown, however, by but few commodities. Four-fifths of the list are distributed over an average range of 94.4 points—less than a quarter of the average extreme range:—and two-fifths over an average range of but 33.7 points. The average distribution of the whole number of series over the field covered by relative prices is shown by Table 5. The diversity in the price-fluctuations of different commodities is also shown by the fact that in no case do all the deciles move up or down in the same degree, and in few cases—especially after 1865—do all agree even in the direction in which they move. Usually when the majority of the deciles are rising one or two are found falling, and *vice versa*.

TABLE 5.

Average distribution of 92 series of relative wholesale prices over the field covered by price fluctuations: from 1860 to 1880.

NOTE.—Regarding interpretation of this table, see pp. 22 and 25.

Average number of points in the scale of relative prices between	
Lowest relative prices and 1st deciles	30.1
1st and 2d deciles	10.2
2d and 3d deciles	9.6
3d and 4th deciles	8.6
4th deciles and medians	7.4
Medians and 6th deciles	9.3
6th and 7th deciles	8.4
7th and 8th deciles	15.3
8th and 9th deciles	25.6
9th deciles and highest relative prices	298.0
Lowest and highest relative prices	422.5

Despite all these diversities in the fluctuations of different commodities there is no mistaking a general trend in the direction and, to a less extent, in the degree in which the deciles move from date to date. Prices were fairly constant throughout 1860, but fell sharply in the spring and summer of 1861, apparently because of the unsettled business conditions due to the secession of the Southern States and the prospect of civil war. Towards autumn a reaction began, probably initiated by large government purchases of supplies. The upward movement continued through 1862, save for a slight backset in April, and through the first quarter of 1863, the chief cause probably being the advance in the premium on gold—itself due to the decline in the community's valuation of the irredeemable paper dollars in which prices were quoted. It will be noticed that the median did not rise above 100 until October, 1862, though the other deciles indicate a strong forward movement as early as January. The financial successes of the spring of 1863 and the military successes of July caused a great appreciation in the value attributed to the government's notes and produced a slight fall in prices; but this improvement was only temporary. Prices started upward again late in 1863, rose rapidly throughout 1864 and reached their maximum in January, 1865, when 59 out of 90 commodities—almost two-thirds—were quoted at double or more than double the prices of five years before. Even during this period of most rapid advance, however, the upward movement of prices was not without exceptions:—the 8th decile shows a decline from July to October, 1864, and the 9th from October, 1864, to January, 1865.

The end of the war brought a fall of prices almost without a parallel in violence and generality. The median declined from 216 in January, 1865, to 158 in July, and all the other deciles went down with it, the smallest decline being 48 points (the 2d decile). This fall was followed by a reaction in the second half of the year which carried prices in January, 1866, back about to the level of April, 1864. From this time on until the autumn of 1871 the general trend of prices was strongly downward, though the fall was by no means uniform and was interrupted by several temporary reactions. The lively speculative movement of the early 70's, which caused so sharp a rise in English and German prices,[6] interrupted this fall in the United States, though the advances scored in 1872 and the first part of 1873 were irregular. After the great crisis of the autumn of 1873, prices began to fall again—slowly at first, more rapidly after 1874. In January,

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[6] See Tables 6, 7, 8, 10, 11, and 12 below.

1878, the median dipped below 100 for the first time since 1861, and the fall continued until the middle of 1879. The lowest point touched by the median was 84 in April, but comparisons of the other deciles show that the range of prices was on the whole somewhat lower in the following July.

This great fall of prices between January, 1865, and July, 1879, was coincident with irregular appreciation in the specie value of the paper dollar—an appreciation which reached its limit with the resumption of specie payments, January 1, 1879. During these 14 years all the gain in prices made during the four years of war was lost, and something more. The final movement of the price-level which the table shows, was due to a cause quite unconnected with the currency—namely, the European crop failures of 1879—and can be discussed better in a later section of this chapter dealing with the prices of farm products.[7]

III.—Relative Prices in the United States and Foreign Countries.

When two countries have similar monetary systems and important business relations with each other, the movements of their price-levels as represented by index numbers are found to agree rather closely. This agreement is so strong that similarity of movement is usually found even when comparisons are made with materials so crude as index numbers compiled from unlike lists of commodities and computed on the basis of actual prices in different years. It is therefore a highly significant fact that the movements of the price-level in the United States during the years of the paper standard were almost wholly unlike the contemporary movements of the price-level in England and Germany.

To facilitate comparisons between the movements of the price-levels in these three countries, Professor Falkner had Sauerbeck's English table, and Soetbeer's German table recomputed on the basis of his own American table—namely, actual prices in 1860 = 100.[8] The results—reproduced in Table 6—show a general agreement between the English and German index numbers and marked differences between both of these index numbers and the

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[7] See Sec. vi, p. 48, below.

[8] Aldrich Report, Part I, pp. 255 and 295.

TABLE 6.

Falkner's index number for the United States, Sauerbeck's for England, and Soetbeer's for Germany, on the basis, actual prices in 1860 = 100: 1860-1891.

From the *Aldrich Report,* Part i, pp. 91, 255, 295.

Years	United States	England	Germany
1860	100.0	100.0	100.0
1861	100.6	99.6	97.6
1862	117.8	105.5	101.4
1863	148.6	109.3	103.7
1864	190.5	112.3	106.9
1865	216.8	105.8	101.4
1866	191.0	106.5	104.0
1867	172.2	103.9	102.9
1868	160.5	103.1	100.8
1869	153.5	101.9	102.0
1870	142.3	100.3	101.6
1871	136.0	102.6	105.0
1872	138.8	112.5	112.1
1873	137.5	116.6	114.3
1874	133.0	107.0	112.6
1875	127.6	100.3	107.3
1876	118.2	97.5	106.1
1877	110.9	97.4	105.6
1878	101.3	91.2	99.7
1879	96.6	86.7	96.8
1880	106.9	91.8	100.8
1881	105.7	88.5	100.1
1882	108.5	88.0	101.0
1883	106.0	86.0	101.0
1884	99.4	79.3	94.4
1885	93.0	75.4	89.9
1886	91.9	72.4	86.0
1887	92.6	70.7	84.3
1888	94.2	73.9	84.3
1889	94.2	76.7	87.7
1890	92.3	76.0	89.4
1891	92.2	75.4	90.3

American index numbers during the period of the greenback standard. These differences are greatest during the years of high premiums on gold and decline with the premium as the date of resumption is approached. After resumption, indeed, the figures indicate a closer agreement between relative prices in the United States and Germany than between relative prices in England and

Germany; but this result may be due chiefly to the closer similarity of the American and German list of commodities.

To show more fully the peculiarity of the American price-fluctuations during the period of the paper standard, I have compiled tables of deciles from Sauerbeck's and Soetbeer's series recomputed on the basis of prices in 1860. The rough comparison which can be made between these tables—7 and 8—and the similar table for the United States—4—suffices to show that the American movement was unlike the European not only in net effect, but also in range and distribution of fluctuations. This fact is brought out more clearly by Table 9, which shows the averages of the several deciles in each of the tables and the average intervals between them. Such an exhibit would possess little significance were the American deciles sometimes above and sometimes below the corresponding foreign deciles; but since they are

TABLE 7.

Relative wholesale prices in England: by years, 1860-1880.

Sauerbeck's series changed to the basis: actual prices in 1860 = 100.

NOTE.—See explanations regarding Table 4, on pp. 22 and 19.

Date.	No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	43	100	100	100	100	100	100	100	100	100	100	100
1861	43	83	90	92	94	97	98	100	101	104	108	137
1862	43	81	88	90	93	95	96	98	102	109	115	276
1863	43	71	83	84	88	91	94	95	98	108	124	385
1864	43	68	75	81	83	95	96	98	105	108	127	440
1865	43	65	79	81	87	92	98	102	106	116	119	304
1866	43	63	81	85	91	95	100	105	110	114	122	248
1867	43	64	81	87	90	96	100	107	115	118	122	175
1868	43	71	82	85	88	94	99	107	112	115	120	170
1869	43	68	82	88	89	91	99	102	107	110	119	195
1870	43	68	82	84	86	90	95	102	109	112	123	163
1871	43	73	80	85	92	96	102	106	113	117	126	152
1872	43	79	83	92	96	102	107	112	120	127	156	190
1873	43	74	86	93	99	104	107	112	124	133	146	231
1874	43	72	78	83	95	100	103	107	118	122	133	190
1875	43	64	78	83	86	91	97	102	117	118	128	147
1876	43	57	78	81	85	90	94	100	109	119	124	139
1877	43	52	78	84	87	94	98	103	107	110	117	139
1878	43	47	71	76	80	86	88	93	100	108	117	141
1879	43	56	66	69	75	84	89	93	96	102	107	118
1880	43	63	68	74	76	88	90	98	105	111	116	118

TABLE 8.

Relative wholesale prices in Germany: by years, 1860-1880.

Soetbeer's series changed to the basis: actual prices in 1860 = 100.

NOTE.—See explanations regarding Table 4, on pp. 22 and 19.

Date.	No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	114	100	100	100	100	100	100	100	100	100	100	100
1861	114	65	85	90	95	97	99	100	102	106	113	160
1862	114	52	79	88	93	95	99	100	107	112	117	450
1863	114	59	78	83	91	93	98	101	107	117	132	510
1864	114	50	75	83	90	95	100	106	111	117	137	570
1865	114	50	77	83	87	93	100	104	110	119	133	280
1866	114	50	75	88	94	99	104	107	114	122	136	255
1867	114	50	78	85	91	99	102	108	114	124	133	196
1868	114	50	73	83	93	97	103	108	115	122	136	169
1869	114	50	73	83	95	100	105	110	116	121	131	187
1870	114	56	75	87	94	99	103	109	112	118	130	168
1871	114	64	77	91	97	101	105	110	115	122	133	190
1872	114	62	88	96	100	106	112	115	120	130	148	210
1873	114	55	79	94	100	107	113	119	131	140	159	229
1874	114	58	82	89	98	103	108	117	123	132	150	294
1875	114	54	74	83	93	100	108	116	120	129	142	213
1876	114	52	74	86	91	100	106	111	118	128	141	199
1877	114	50	68	84	94	100	106	112	118	127	139	213
1878	114	47	68	76	89	92	98	104	110	122	135	213
1879	114	45	65	75	86	89	93	100	108	119	133	193
1880	114	42	66	76	88	94	100	105	112	121	139	196

TABLE 9.

Ranges covered by fluctuations of relative wholesale prices in the United States, England, and Germany from 1860-1880, as shown by Tables 4, 7, and 8.

NOTE.—See the explanations on pp. 29 and 31.

	Table 4 United States	Table 7 England	Table 8 Germany
Averages of the			
Lowest relative prices	64.9	68.5	55.3
1st deciles	95.0	80.4	76.6
2d deciles	105.2	84.6	85.9
3d deciles	114.8	88.6	93.3
4th deciles	123.4	93.8	98.0
Medians	130.8	97.6	102.9
6th deciles	140.1	102.0	107.7
7th deciles	148.5	108.3	113.5
8th deciles	163.8	113.4	121.3
9th deciles	189.4	122.3	134.3
Highest relative prices	487.4	198.0	247.3
Average intervals between			
Lowest relative prices and 1st deciles	30.1	11.9	21.3
1st and 2d deciles	10.2	4.2	9.3
2d and 3d deciles	9.6	4.0	7.4
3d and 4th deciles	8.6	5.2	4.7
4th deciles and Medians	7.4	3.8	4.9
Medians and 6th deciles	9.3	4.4	4.8
6th and 7th deciles	8.4	6.3	5.8
7th and 8th deciles	15.3	5.1	7.8
8th and 9th deciles	25.6	8.9	13.0
9th deciles and highest relative prices	298.0	75.7	113.0
Lowest and highest relative prices	422.5	129.5	192.0

above almost all the time the table has a certain value as expressing the broad differences between American and foreign conditions. The comparisons between the English and German price-movements suggested by the table, however, must be made with many reservations, because in this case the differences are sometimes in favor of one country, sometimes in favor of the other.

A more accurate, though narrower, basis for comparison may be had by compiling price-tables for identical lists of commodities. For 27 of the commodities used by Sauerbeck, and for 46 of the commodities used by Soetbeer, substantially similar American quotations can be obtained by using averages of four quarterly quotations as average prices for the year. The relative prices for all these pairs of commodities are shown in the appendix, and the general results are shown by Tables 10 and 11. The same method is applied in Table 12 to show the close similarity in the fluctuations of English and German prices. This table is compiled from the relative prices of 31 commodities which appear in

TABLE 10.

Relative wholesale prices of identical lists of 27 commodities in the United States and England: by years, 1860-1880.

NOTE.—See the explanations regarding Table 4, on pp. 22 and 19.

	1st deciles		Medians		9th deciles		Arithmetic means	
Year	U.S.	Eng.	U.S.	Eng.	U.S.	Eng.	U.S.	Eng.
1860	100	100	100	100	100	100	100	100
1861	77	87	91	98	104	107	92	98
1862	76	83	105	95	146	116	115	102
1863	99	79	140	91	220	116	160	103
1864	136	72	194	95	262	124	223	106
1865	105	77	171	92	243	119	190	102
1866	100	77	160	98	264	122	172	103
1867	109	75	160	103	219	124	159	102
1868	101	75	166	99	231	118	166	100
1869	103	70	142	100	221	111	155	97
1870	94	72	134	94	172	114	134	96
1871	93	78	129	99	172	117	133	100
1872	96	83	140	105	196	169	139	111
1873	90	88	134	106	183	156	136	116
1874	99	83	125	101	176	128	132	106
1875	93	81	117	98	162	123	123	99
1876	88	77	105	93	146	122	109	96
1877	80	74	104	98	145	116	108	97
1878	71	71	97	89	129	116	95	91
1879	65	68	95	89	130	109	95	87
1880	74	66	109	93	132	113	106	92

TABLE 11.

Relative wholesale prices of identical lists of 46 commodities in the United States and Germany: by years, 1860-1880.

NOTE.—See the explanations regarding Table 4, on pp. 22 and 19.

	1st deciles		Medians		9th deciles		Arithmetic means	
Year	U.S.	Ger.	U.S.	Ger.	U.S.	Ger.	U.S.	Ger.
1860	100	100	100	100	100	100	100	100
1861	78	86	93	99	109	113	93	99
1862	76	79	102	96	163	127	122	102
1863	101	77	131	93	235	126	155	102
1864	136	72	186	94	282	117	224	102
1865	132	70	184	93	297	122	204	98
1866	116	72	160	100	261	136	177	102
1867	109	73	162	101	219	131	166	102
1868	113	73	171	100	231	125	172	100
1869	113	73	166	100	208	121	163	99
1870	95	75	138	100	185	117	143	100
1871	101	76	135	102	186	131	139	104
1872	100	83	141	109	192	156	142	113
1873	92	79	137	114	187	176	140	121
1874	103	77	132	107	183	144	137	114
1875	93	73	119	107	174	133	130	107
1876	83	73	108	106	162	133	117	106
1877	78	69	107	103	146	129	112	104
1878	65	68	94	93	135	124	96	97
1879	62	65	91	91	137	129	95	93
1880	67	65	106	97	143	125	109	98

TABLE 12.

Relative wholesale prices of identical lists of 31 commodities in England and Germany: by years, 1860-1880.

NOTE.—See the explanations regarding Table 4, on pp. 22 and 19.

	1st deciles		Medians		9th deciles		Arithmetic means	
Years	England	Germany	England	Germany	England	Germany	England	Germany
1860	100	100	100	100	100	100	100	100
1861	88	85	98	100	108	109	99	99
1862	84	83	96	96	112	116	103	102
1863	80	78	92	93	112	120	104	105
1864	74	77	95	96	117	116	104	107
1865	77	77	92	93	117	114	100	98
1866	77	76	98	104	117	126	102	105
1867	75	81	103	104	120	130	101	106
1868	75	75	99	103	120	127	100	104
1869	73	77	96	100	113	123	98	103
1870	74	77	94	97	114	120	96	101
1871	81	76	96	102	118	128	99	105
1872	83	90	104	108	127	156	109	116
1873	83	79	106	111	146	176	113	119
1874	74	77	100	106	128	146	103	110
1875	74	76	96	95	123	129	98	105
1876	79	74	96	95	123	131	96	103
1877	74	69	97	104	117	126	95	104
1878	67	70	87	96	110	122	89	98
1879	63	66	84	89	101	129	84	94
1880	66	65	89	91	111	125	89	96

both Sauerbeck's and Soetbeer's lists. These tables make it clear that the wide differences shown by Tables 4, 6, 7, and 8 between American and European price-fluctuations from 1862 to 1878 are not due to differences in the character and the number of the commodities included in Falkner's, Sauerbeck's and Soetbeer's tables. The close agreement between the English and German figures of Table 12 leave small room to doubt that the differences between the American and English figures of Table 10, and between the American and German figures of Table 11, must be ascribed mainly to the influence of the paper standard of value.[9]

IV.—Relative Prices of Commodities and of Gold.

One of the questions of deep interest regarding the price-fluctuations of the paper standard period is the degree of their correspondence with the fluctuations in the price of gold. Table 13 is arranged to facilitate a comparison. One set of columns gives the wholesale price figures of Table 4, side by side with

TABLE 13.

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

NOTE.—See the explanations of method of construction on pp. 33 and 39.

1862.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	63		70		52		65	
1st decile	80		80		75		81	
2d decile	89		90		88		91	
3d decile	93		93		91		100	
4th decile	96		95		98		102	
Median	100	100.5	100	101.5	100		111	
		102.5		101.5				
6th decile	105	105	103	102.3	106	108.8	118	122
7th decile	117		117		117	115.5	125	128.5
8th decile	133		127		127	120.1	133	133.5
9th decile	150		149		167		165	
Highest	380		370		640		563	

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[9] In such small groups as those used here the median is a rather erratic form of average, because it is frequently controlled within limits of several points by the fluctuations of some one or two commodities whose relative prices happen to fall in the middle of the list. The arithmetic mean is also erratic, particularly for the years of the war, because it is so much influenced by cases of extraordinary advance in price, such as that presented by cotton.

TABLE 13—(CONTINUED).

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

1863.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	75		72		67		67	
1st decile	93		100		100		100	
2d decile	100		112		106		112	
3d decile	109		125		117		120	
4th decile	117		129		127	123.3	129	
						130.6		
Median	125		137		134		135	
				145.5				
6th decile	132	133.6	150	151.5	144	145	141	140.4
7th decile	143	145.1	163	157.9	157		150	147.7
8th decile	159	160.8	186		175		170	156.8
9th decile	193		233		200		200	
Highest	625		675		895		773	

1864.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	69		75		89		94	
1st decile	114		124		139		147	
2d decile	127		133		157		166	
3d decile	140		151		167		174	
4th decile	145		161		181		194	189.0
		151.5		166.3				
Median	156	155.5	169		194		200	
		159.4		172.7				207.2
6th decile	166		178	184.8	200		217	
7th decile	178		198		221	222.0	237	227.8
8th decile	200		212		266	258.1	263	
9th decile	228		261		308	285.0	337	
Highest	750		960		1410		1101	

1865.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	89		94		79		96	
1st decile	160		133	144.0	105		125	
2d decile	176		150	148.5	128	138.8	138	144.1
3d decile	191		162	153.6	138	142.1	150	145.5
4th decile	200	198.1	179		150	146.0	168	149.0
Median	216	216.2	190		158		175	
		233.8						
6th decile	241		200		171		200	
7th decile	256		212		189		216	
8th decile	272		240		207		243	
9th decile	318		270		252		277	
Highest	1096		796		759		833	

TABLE 13—(CONTINUED).

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

1866.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	100		94		89		93	
1st decile	122	136.8	115	125.4	120		123	
2d decile	135	140.1	126	127.3	137	147.0	137	145.4
3d decile	154	144.6	149	129.5	147	151.6	150	148.3
4th decile	170		161		167	155.8	158	154.4
Median	182		173		181		173	
6th decile	200		190		195		181	
7th decile	209		200		200		199	
8th decile	232		215		219		212	
9th decile	277		250		250		263	
Highest	824		833		815		880	

1867.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	89		89		86		87	
1st decile	112		110		107		109	
2d decile	125	132.0	125	132.6	119	138.0	123	140.3
3d decile	142	134.6	141	135.6	136	139.4	142	143.5
4th decile	153	137.9	154	142.0	147	140.8	150	145.6
Median	169		166		150		162	
6th decile	174		175		164		173	
7th decile	190		197		180		185	
8th decile	209		207		202		197	
9th decile	228		228		233		220	
Highest	861		648		870		741	

1868.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	85		84		82		88	
1st decile	100		100		100		105	
2d decile	119	133.3	126	137.8	122		121	133.8
3d decile	132	138.5	135	138.7	132	140.1	138	137.1
4th decile	150	142.3	150	140.4	143	142.7	150	140.5
						145.3		
Median	158		162		154		159	
6th decile	170		177		173		173	
7th decile	187		188		180		179	
8th decile	200		200		195		196	
9th decile	225		250		206		221	
Highest	787		787		435		500	

TABLE 13—(CONTINUED).

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

1869.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	82		81		73		68	
1st decile	103		108		100		100	
2d decile	117	134.6	125	131.3	117	134.0	118	128.1
3d decile	132	135.6	135	132.9	134	136.1	136	130.2
4th decile	150	136.9	146	134.8	141	137.9	142	132.0
Median	159		159		158		153	
6th decile	172		172		167		162	
7th decile	180		180		178		177	
8th decile	190		196		187		181	
9th decile	227		220		200		200	
Highest	361		377		361		444	

1870.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	70		67		67		65	
1st decile	100		100	111.5	98		100	
2d decile	112	119.4	106	113.1	108	111.1	104	111.1
3d decile	128	121.3	123	115.6	123	116.8	119	112.8
4th decile	140	123.3	132		127	122.8	129	114.3
Median	147		140		132		135	
6th decile	152		147		144		147	
7th decile	166		159		161		154	
8th decile	178		174		179		174	
9th decile	200		200		200		192	
Highest	352		367		380		324	

1871.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	60		61		64		64	
1st decile	94	110.5	100	110.1	90		97	111.5
2d decile	105	110.7	110	110.6	102	111.8	111	113.2
3d decile	119	111.3	121	111.8	118	112.4	118	115.0
4th decile	127		127		125	113.8	125	
Median	133		131		130		129	
6th decile	141		140		142		142	
7th decile	154		150		149		150	
8th decile	171		164		158		162	
9th decile	189		180		180		182	
Highest	343		337		333		361	

TABLE 13—(CONTINUED).

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

1872.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	55		55		55		55	
1st decile	100	108.5	93	109.9	90		97	112.3
2d decile	108	109.1	105	111.1	104	113.4	116	113.2
3d decile	121	110.1	120	113.3	117	114.3	122	115.3
4th decile	129		130		125	115.3	129	
Median	133		140		130		133	
6th decile	142		150		144		144	
7th decile	150		159		152		153	
8th decile	164		171		169		173	
9th decile	185		200		198		195	
Highest	343		324		330		326	

1873.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	55		58		58		58	
1st decile	92	111.6	94		92		92	107.6
2d decile	110	112.7	105	116.8	103	115.0	104	108.9
3d decile	124	114.3	125	117.8	114	115.7	116	111.3
4th decile	129		130	119.1	123	116.4	125	
Median	135		137		130		131	
6th decile	145		147		142		146	
7th decile	153		156		152		151	
8th decile	164		168		168		167	
9th decile	194		200		196		196	
Highest	361		333		333		367	

1874.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	58		58		58		58	
1st decile	97		95		95		92	
2d decile	106	110.1	106	111.8	106	109.0	105	109.8
3d decile	115	111.4	116	113.4	111	110.0	112	110.0
4th decile	124	112.1	122	114.4	118	110.8	124	110.4
Median	130		129		130		130	
6th decile	141		140		139		136	
7th decile	150		150		146		142	
8th decile	160		170		166		156	
9th decile	200		200		199		185	
Highest	352		346		352		394	

TABLE 13—(Continued).

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

1875.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	67		64		55		45	
1st decile	93		92		92		89	
2d decile	103	111.8	102		99		99	
3d decile	110	112.5	109	114.0	105	111.8	106	
4th decile	121	113.4	119	114.8	112	114.8	110	114.5
				115.8		117.3		116.4
Median	127		125		121		120	117.6
6th decile	133		136		129		129	
7th decile	147		145		140		137	
8th decile	160		152		149		150	
9th decile	193		172		174		162	
Highest	359		407		432		426	

1876.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	59		61		64		55	
1st decile	89		85		79		80	
2d decile	95		95		91		89	
3d decile	100		103		98		95	
4th decile	109	112.4	106	112.5	104		101	
		112.8		113.0				
Median	117	113.3	115	113.8	110	111.4	108	108.9
						111.9		109.7
6th decile	125		125		117	112.5	116	113.3
7th decile	131		131		123		127	
8th decile	144		144		137		140	
9th decile	160		159		156		153	
Highest	398		394		391		393	

1877.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	61		41		41		41	
1st decile	78		76		75		76	
2d decile	89		86		83		83	
3d decile	100	105.3	92		89		88	
4th decile	107	106.3	100	104.8	99		96	
		107.1		106.2				102.5
Median	114		108	107.9	100	105.1	102	102.8
						105.4		103.4
6th decile	124		119		110	106.1	112	
7th decile	129		126		123		120	
8th decile	138		136		133		128	
9th decile	160		150		158		137	
Highest	393		409		391		396	

TABLE 13—(CONCLUDED).

Relative wholesale prices of commodities in the United States and the price of gold: by quarters, 1862-1878.

1878.

	Jan.		April		July		Oct.	
	Prices	Gold	Prices	Gold	Prices	Gold	Prices	Gold
Lowest	45		36		36		45	
1st decile	74		67		67		63	
2d decile	81		76		72		69	
3d decile	85		80		77		78	
4th decile	90		85		85		85	
Median	99	101.3	96		90		94	
		102.1		100.1				100.3
6th decile	108	102.8	100	100.6	97	100.4	100	100.5
7th decile	117		113	101.3	102	100.5	106	101.9
8th decile	125		125		109	100.8	120	
9th decile	140		142		132		138	
Highest	382		378		378		380	

another set giving the corresponding lowest, highest and average prices of gold from Table 2. The average price of gold for each month is entered opposite the decile which it most nearly equals, and the lowest and highest monthly prices are placed as best may be on either side of the average. Thus the vertical position of the entries in the columns for gold indicates roughly whether on any date gold stood above or below the majority of commodities in relative price. There is, of course, no objection to this comparison between the actual prices of gold and the relative prices of commodities: for since the price of gold in currency was 100 before suspension, its later actual prices may be regarded as relative prices computed on the basis: actual price in 1860 = 100.

A fuller presentation of the data for gold and commodities is supplied in graphic form by Chart III. The lines running across the chart show the fluctuations of the deciles and of the highest and lowest relative prices at wholesale by quarters. The vertical lines show the extreme range of the gold quotations by months.

The table and the chart make it clear that the fluctuations in the price of gold, which attracted so much attention, were much more moderate than the extreme fluctuations in the prices of commodities. The gold quotations lay all the time well within the outer limits of the field covered by the variations of commodity prices. If attention be confined to the average prices of gold in the months for which we have commodities quoted, it appears that every quarter more than a fifth of our 92 commodities had relative prices higher than gold, and that every quarter but two—April, 1865 and October, 1872—more than a fifth of the commodities had lower relative prices than gold. If the extreme prices of gold be taken, one more quarter is found when the price of gold was lower than the 2d decile—April, 1866—and three cases appear when the highest price of gold rose above the 8th decile—October, 1862, January, 1863, and July, 1864. There is no exception to the rule that the gold quotations lay always inside the 1st and 9th deciles;—in other words that more than one-tenth of the commodities had lower relative prices than gold and more than a tenth had higher relative prices.[10]

But the limits set by the 1st and 9th deciles—or even the 2d and 8th—are wide, and it is interesting to examine the fluctuations of gold within these limits more closely. During the war gold moved up or down in price more quickly than the mass of commodities—probably because the market for gold was more highly organized and more sensitive than the markets for other goods to the many influences touching the credit of the government-notes which formed the money in which all prices were quoted. When gold was rising in price the majority of commodities followed, but more slowly, and its price therefore advanced above the median, and sometimes, as has been seen, stood briefly above the 8th decile. When gold was falling in price the majority of commodities stood still or followed more slowly, and the gold quotation then dropped below the median, and sometimes even below the 2d decile.

This more sluggish movement of commodity prices appears still more clearly after the war. Rapid as was the fall of prices in the spring of 1865, it was not so rapid as the fall in gold. A more curious fact is that the price-level for commodities continued for ten years to be rather higher than the price-level for gold. From April, 1865 to April, 1875 the median of relative prices was always higher than the highest quotation for gold in January, April, July or October, and on only one date—July, 1868—did gold touch even the 4th decile. On the whole, the average gold quotations correspond more nearly with the 3d than with any other decile during this period. From 1875 to the end of 1878, however, commodity prices fell on the whole faster than gold, so that the average gold quotation stood for a time above the 4th decile, then above the median, and finally above the 6th decile.

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[10] On the use of ''decile,'' see p. 19 above.

It was shown in Chapter I that the history of the gold premium is divided into four well-marked periods. The first of these periods —1862 to April, 1865—is also a natural subdivision of the history of prices. But the same is hardly true of the later periods. Prices declined with tolerable consistency from 1866 to 1869, while gold, despite continual ups and downs, maintained substantially the same general level. Again, the last three months of 1869 and the first two months of 1870 marked a turning-point in the price of gold, but not in the prices of commodities. After February, 1870 gold fluctuated about a much lower level than that of 1866 to 1869, but without making any substantial further decline until 1876. Commodity prices, however, after a slight and irregular rise in the early 70's, resumed their downward trend, and stood considerably lower by the close of 1875 than they had stood in 1870. Finally, the almost unbroken fall of gold from March, 1876, to December, 1878 was accompanied by a fall of prices, but one considerably greater in degree, and this fall appears to be but a continuation of the decline which had begun definitely in 1875. The most important turning points in the history of prices after the war, in brief, are not those of gold—the close of 1869 and the beginning of 1876—but the speculative movements of 1872, the crisis of 1873, and the harvests of 1879.

The tables of the preceding section, showing the wide differences between the relative prices of identical lists of commodities in the United States and England and in the United States and Germany, support the conclusions (1) that the chief cause of the extraordinary advance in American prices between 1862 and 1865 was the substitution of irredeemable paper for specie as the money in which prices were quoted, and (2) that the chief cause of the fall in American prices between 1865 and 1879 was the unsteady appreciation in the specie value of the paper dollar. These conclusions are not inconsistent with the various differences which have just been pointed out between the fluctuations of commodity prices and prices of gold. These differences serve only to emphasize the fact that many other causes besides the varying value attributed by the community to the government's notes exercised an influence upon the prices of single commodities and upon the price-level as a whole. It does not lie within the scope of this book to inquire what these other causes were; but the tables given, while indicating their presence, also indicate their secondary importance.[11]

V.—Relative Prices on the Dates of Maximum and Minimum Prices.

Though Table 4 represents the extraordinary fluctuations in prices during the period of the greenback standard much more fully than a table of arithmetic means, it does not present all the details shown by the material used. To do so it would be necessary to publish the 84 tally-sheets from which the table of deciles was compiled, each tally-sheet elaborated by writing the names of the 92 commodities at the proper points in the scale of relative prices. But though so full a presentation is not feasible, it is feasible to present such elaborated tally-sheets for the date when prices reached their highest point, January, 1865 and when they reached their lowest point during the subsequent decline, July, 1879—six months after resumption of specie payments.

In the first of these tables the prominence of southern materials and their products among the commodities which show the greatest advance in prices attracts attention—rice, tobacco, molasses, tar, turpentine, cotton, and cotton textiles. Associated with them are a few commodities of which the government was purchasing large amounts—quinine and lead—, or on which the rate of taxation was exceptionally heavy—alcohol. But the cases are not numerous in which the explanation of the divergencies from the general trend occur at once to one who has not made a special study of the demand and supply of the commodities

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[11] Discussion of the reasons why wholesale prices corresponded in general with the fluctuations of the premium and also why the correspondence was not closer, is reserved for the last chapter.

TABLE 14.

Relative wholesale prices of 92 commodities in January, 1865, and comparison with their relative prices in July, 1879.

NOTE.—See the explanations on pp. 42 and 45.

Relative prices Jan., 1865	Deciles	Relative prices July, 1879	Rank July, 1879, by groups	Commodities
89		69	3	Raw silk
122		83	5	Opium
133		100	7	Chestnut lumber in log
140		95	7	Crackers—Boston
143		55	1	Bichromate of potash
148		59	1st d.	Candles
148		102	7	Hides
150		67	2d d.	Muriatic acid
160	1st d.	100	7	Cement
163		125	9	Kitchen tables
164		76	4	Tubs
171		91	6	Leather
173		79	4	Beans
173		36	1	Sulphuric acid
174		80	4	Chairs
176		103	7th d.	Corn-starch
176		59	1st d.	Tallow
176	2d d.	95	7	Wheat
180		70	3	Pails
180		115	8	Powder-rifle
182		103	7th d.	Beef
183		83	5	Putty
184		82	5	Shovels
185		116	8	Beeves
188		125	9	Ship-biscuit
190		140	9	Mutton
191	3d d.	90	6	Sheep
192		58	1	Blue vitriol
192		144	9	Spruce boards
195		59	1st d.	Lard
196		164	10	Pine boards
200		48	1	Dried apples
200		133	9	Hemlock lumber in log
200		72	3d d.	Oxide of zinc
200		150	9th d.	Pine lumber in log
200	4th d.	73	4	Wool
203		76	4	Rye
205		103	7th d.	Starch
208		208	10	Matches
209		69	3	Copper—ingot.
211		83	5	Brick
212		60	2	Corn meal
212		62	2	Pork—salt-mess.
213		88	6	Rye flour
216	Med.	57	1	Wood screws

TABLE 14—(CONCLUDED).

Relative wholesale prices of 92 commodities in January, 1865, and comparison with their relative prices in July, 1879.

Relative prices Jan., 1865	Deciles	Relative prices July, 1879	Rank July, 1879, by groups	Commodities
218		125	9	Rubber
220		81	4th d.	Copper-sheet
222		53	1	Brimstone
224		61	2	Timothy seed
225		50	1	Cheese
238		88	6	Copperas
239		118	8th d.	Barley
241		124	9	Flaxseed
241	6th d.	166	10	Potatoes
243		117	8	Rope
245		85	Med.	Window glass
250		74	4	Butter
250		150	9th d.	Lime
251		71	3	Mercury
252		71	3	Coal—anthracite
252		72	3d d.	Eggs
254		60	2	Raisins
256	7th d.	83	5	Alum
256		90	6	Coal—bituminous
256		77	4	Quicksilver
257		60	2	Corn
261		92	6	Oats
264		74	4	Iron wire
265		86	6	Sugar
267		111	8	Carpets
267		71	3	Hogs
272	8th d.	112	8	Linseed oil
274		63	2	Soda ash
282		150	9	Rice
285		170	10	Tobacco
287		82	5	Molasses
287		127	9	Salt
294		*	*	Soap—castile
295		309	10	Quinine
309		63	2	Butts
318	9th d.	84	5	Clover-seed
337		93	6th d.	Lead
342		67	2d d.	Currants
388		150	9th-d.	Codfish
400		90	6	Tar
473		116	8	Sugar of lead
513		69	3	Turpentine
515		82	5	Cotton textiles
815		370	10	Alcohol
1096		114	8	Cotton

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* No quotation for July, 1879.

No quotations for milk and wheat flour for January, 1865.

represented. Indeed, there are cases which contradict casual expectations. Wool, which might be expected to show a large advance in view of the scarcity of cotton and large government purchases of uniforms, has a relative price less than the median; ''powder—rifle,'' which might be expected to show the influence of the great consumption of gunpowder, ranks below the 3d decile. More important is the observation that, excepting the cases already noted, there is no apparent difference in kind, place of origin, or use between the commodities ranking below the median and those ranking above it. Commodities related in origin or use—like corn and corn-meal, wool and cotton or wool and carpets, hogs and salt pork, wheat and oats—are often found on opposite sides of this dividing line at considerable distances from each other, while heterogeneous commodities are frequently found next each other. The upper and lower halves of the list are about equally miscellaneous in their contents.

Passing from this exhibit for January, 1865, to that for July, 1879, the attention is caught by the great change in the scale of relative prices. Every decile in 1879, even the 1st, is more than 100 points below the corresponding decile in 1865. Only one commodity in the list shows an increase in price—quinine: and only one remains stable—matches; all the others fall. It is significant that the one commodity which remains stable in price is raised in rank by the decline of other commodities from a place below the median in 1865 to the third place from the top of the scale in 1879. But though the fall in prices was so nearly universal, it was marked by the usual irregularities in degree. As a result, the grouping of commodities is greatly changed. To show the changes more clearly I have introduced into the tables for each of these dates columns showing (1) the relative prices of each commodity on the other date, and (2) the group, marked off by the deciles, to which it then belonged. These columns show that only 11 commodities of the 89 for which relative prices are given on both dates, remained in the same group in 1879 as in 1865, and that 42 commodities crossed from the lower half of the table in 1865 to the upper half in 1879, or *vice versa.* But this shifting in relative positions does not produce any clearer grouping of commodities by kinds, place of origin, or use than

TABLE 15.

Relative wholesale prices of 92 commodities in July, 1879, and comparison with their relative prices in January, 1865.

NOTE.—See the explanations on pp. 42 and 45.

Relative prices July, 1879	Deciles	Relative prices Jan., 1865	Rank Jan., 1865, by groups	Commodities
36		173	2	Sulphuric acid
48		200	4th d.	Dried apples
50		225	6	Cheese
53		222	6	Brimstone
55		143	1	Bichromate of potash
57		216	Med.	Wood screws
58		192	4	Blue vitriol
59		148	1	Candles
59		195	4	Lard
59	1st d.	176	2d d.	Tallow
60		257	8	Corn
60		254	7	Raisins
60		212	5	Corn meal
61		224	6	Timothy seed
62		212	5	Pork—salt-mess
63		309	9	Butts
63		274	9	Soda ash
67		342	10	Currants
67	2d d.	150	1	Muriatic acid
69		209	5	Copper-ingot
69		89	1	Raw silk
69		513	10	Turpentine
70		180	3	Pails
71		252	7	Coal—anthracite
71		267	8	Hogs
71		251	7	Mercury
72		252	7	Eggs
72	3d d.	200	4th d.	Oxide of zinc
73		200	4th d.	Wool
74		250	7	Butter
74		264	8	Iron wire
76		203	5	Rye
76		164	2	Tubs
77		256	7th d.	Quicksilver
79		173	2	Beans
80		174	2	Chairs
81	4th d.	220	6	Copper-sheet
82		515	10	Cotton textiles
82		287	9	Molasses
82		184	3	Shovels
83		256	7th d.	Alum
83		211	5	Brick
83		122	1	Opium
83		183	3	Putty
84		318	9th d.	Clover seed
85	Med.	245	7	Window glass

TABLE 15—(CONCLUDED).

Relative wholesale prices of 92 commodities in July, 1879, and comparison with their relative prices in January, 1865.

Relative prices July, 1879	Deciles	Relative prices Jan., 1865	Rank Jan., 1865, by groups	Commodities
86		265	8	Sugar
88		238	6	Copperas
88		213	5	Rye flour
90		256	7th d.	Coal—bituminous
90		191	3d d.	Sheep
90		400	10	Tar
91		171	2	Leather
92		261	8	Oats
93	6th d.	337	10	Lead
95		140	1	Crackers—Boston
95		176	2d d.	Wheat
100		160	1st d.	Cement
100		133	1	Chestnut lumber in log
100		*	*	Wheat flour
100		*	*	Milk
102		148	1	Hides
103		182	3	Beef
103	7th d.	205	5	Starch
103		176	2d d.	Corn starch
111		267	8	Carpets
112		272	8th d.	Linseed oil
114		1096	10	Cotton
115		180	3	Powder rifle
116		185	3	Beeves
116		473	10	Sugar of lead
117		243	7	Rope
118	8th d.	239	6	Barley
124		241	6th d.	Flax-seed
125		163	2	Kitchen tables
125		218	6	Rubber
125		188	3	Ship biscuit
127		287	9	Salt
133		200	4th d.	Hemlock lumber in log
140		190	3	Mutton
144		192	4	Spruce boards
150	9th d.	388	10	Codfish
150		250	7	Lime
150		200	4th d.	Pine lumber in log
150		282	9	Rice
164		196	4	Pine boards
166		241	6th d.	Potatoes
170		285	9	Tobacco
208		208	5	Matches
309		295	9	Quinine
370		815	10	Alcohol

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* No quotations for Jan. 1865.

No quotation for Soap—castile—for July, 1879.

existed in 1865. Unlike commodities are often side by side, and related commodities are often widely separated. A plausible explanation of the relative price of each commodity could probably be given by one who had made a technical study of the market conditions affecting it; but no broad differences are apparent between the character of the commodities in the two halves of the list.

VI.—Relative Wholesale Prices of Farm Products and Other Commodities.

There is one class of commodities included in Table 4 which it is interesting to segregate for special study—farm products. The results of segregation are shown in Table 16 which gives deciles for the 22 commodities produced by farmers, and for the 70 commodities which remain of the original list.[12]

According to this table the prices of farm products rose less promptly under the stimulus of the greenback issues than did the prices of other commodities. Cotton, tobacco, and rice of course are exceptions to the rule, and in a table of arithmetic means would affect the averages strongly; but in a table of deciles their eccentricities can disturb nothing but the highest relative prices and the ninth deciles. Because of the wide seasonal fluctuations in the prices of agricultural products they are expected to have higher relative prices than other commodities in January and April, and lower relative prices in July and October—provided the average relative prices for the whole year are the same for both groups. But it was not until 1865 that even the January figures show farm products distinctly in the lead and this position they promptly lost again.

As farm products rose less rapidly during the war, so they fell less rapidly after the war. Passing above other commodities in 1867, they remained higher until the middle of 1871. The speculative movement of the early 70's was marked by great irregularities in price-fluctuations; sometimes farm products, sometimes other commodities were higher. But when the price-level

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[12] I have taken ''farm products'' in a broad sense, as the following list shows: corn, wheat, oats, rye, barley, timothy-seed, clover-seed, flax-seed; beans potatoes; cotton, rice, tobacco; hogs, beeves, hides, sheep, wool; milk, butter, cheese, eggs.

TABLE 16.

Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.

NOTE.—See the explanations regarding Table 4, pp. 29, 22.

Date	Class of Commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860													
Jan.	F.P.	22	88	100	100	100	100	101	102	106	108	122	149
	O.C.	69	80	100	100	100	100	100	100	100	100	100	133
April	F.P.	22	81	91	93	98	100	100	103	106	110	115	124
	O.C.	69	84	95	99	100	100	100	100	101	106	115	142
July	F.P.	22	75	81	87	93	93	96	99	100	103	112	121
	O.C.	70	81	93	96	98	100	100	100	100	103	113	136
Oct.	F.P.	22	83	89	91	92	94	95	99	100	100	111	120
	O.C.	70	77	90	96	100	100	100	100	103	109	124	159
1861													
Jan.	F.P.	21	77	81	90	92	97	98	100	102	103	107	120
	O.C.	70	74	83	89	94	98	100	100	103	109	117	155
April	F.P.	22	75	80	86	88	90	90	94	100	103	112	124
	O.C.	70	52	79	89	91	95	100	100	103	109	117	173
July	F.P.	21	58	62	65	66	67	82	91	92	101	129	136
	O.C.	69	50	75	82	90	94	98	100	100	109	120	205
Oct.	F.P.	22	60	62	70	75	82	86	94	98	100	120	197
	OC.	70	72	82	89	93	96	100	100	105	113	125	363
1862.													
Jan.	F.P.	22	63	70	80	86	90	97	100	113	121	137	336
	O.C.	69	72	83	90	94	97	100	106	119	133	150	380
April	F.P.	22	70	75	79	90	93	95	98	110	117	137	253
	O.C.	70	72	87	90	93	95	100	105	117	127	149	370
July	F.P.	22	52	67	74	80	85	87	101	103	118	173	346
	O.C.	70	65	83	91	94	100	103	109	117	130	156	640
Oct.	F.P.	21	65	75	80	83	89	96	103	118	123	153	515
	O.C.	69	71	90	99	100	107	116	122	129	133	179	563
1863													
Jan.	F.P.	20	83	85	97	107	110	117	123	146	164	182	618
	O.C.	68	75	96	100	109	119	129	133	142	156	200	625
April	F.P.	20	73	82	112	119	126	131	145	159	189	239	668
	O.C.	67	72	100	112	125	130	140	150	163	174	213	675
July	F.P.	20	81	93	101	103	112	120	121	140	178	195	631
	O.C.	67	67	100	111	120	131	137	147	158	174	200	895
Oct.	F.P.	20	68	95	102	114	119	124	130	135	165	172	773
	O.C.	68	67	101	113	125	131	138	142	150	176	200	688

TABLE 16—(CONTINUED).

Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.

Date	Class of Commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1864													
Jan.	F.P.	20	111	116	127	140	145	152	157	166	192	220	741
	O.C.	69	69	114	126	138	145	157	168	179	200	232	750
April	F.P.	20	106	120	141	147	152	161	178	199	223	231	695
	O.C.	68	75	124	133	151	161	169	178	196	207	273	960
July	F.P.	20	114	120	147	157	161	168	194	233	236	245	1410
	O.C.	68	89	139	160	173	188	195	200	219	276	308	900
Oct.	F.P.	20	131	147	157	173	186	200	205	208	218	240	1101
	O.C.	68	94	148	167	174	194	200	221	247	283	345	639
1865													
Jan.	F.P.	21	148	176	191	203	225	241	250	257	267	285	1096
	O.C.	69	89	150	176	188	200	212	238	256	274	342	815
April	F.P.	21	94	124	145	157	178	184	209	212	244	259	343
	O.C.	68	107	144	150	166	179	190	200	212	225	270	796
July	F.P.	21	79	101	107	125	132	142	152	166	177	229	430
	O.C.	69	89	111	134	147	152	165	178	200	208	277	759
Oct.	F.P.	21	101	120	138	144	145	160	176	204	219	243	426
	O.C.	69	96	131	138	153	169	183	200	228	250	287	833
1866													
Jan.	F.P.	22	100	122	123	128	144	154	175	197	205	224	469
	O.C.	70	100	122	149	162	174	186	200	214	248	277	824
April	F.P.	22	98	106	115	119	127	135	169	173	200	250	354
	O.C.	69	94	119	141	155	165	187	197	202	217	267	833
July	F.P.	22	90	120	130	135	143	150	190	196	219	249	325
	O.C.	70	89	120	141	153	170	182	197	200	216	250	815
Oct.	F.P.	22	101	120	130	138	149	158	180	185	190	221	341
	O.C.	69	93	126	137	150	160	174	183	200	216	277	880
1867													
Jan.	F.P.	22	102	115	119	142	154	162	172	183	200	209	325
	O.C.	69	89	111	125	136	152	169	175	200	216	253	861
April	F.P.	22	103	121	137	140	163	166	190	197	207	235	263
	O.C.	69	89	108	120	141	150	158	175	197	211	228	648
July	F.P.	22	99	110	118	121	129	140	164	174	195	233	259
	O.C.	69	86	105	122	142	147	153	166	181	206	239	870
Oct.	F.P.	22	89	112	123	159	166	175	184	187	193	220	259
	O.C.	67	87	109	125	140	145	160	168	181	197	218	741

TABLE 16—(CONTINUED).

Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.

Date	Class of Commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1868													
Jan.	F.P.	22	85	107	125	153	155	160	196	202	209	258	276
	O.C.	69	87	100	114	128	142	154	169	180	188	225	787
April	F.P.	22	93	112	143	160	169	185	199	229	253	293	339
	O.C.	69	84	100	125	132	142	153	170	185	194	215	787
July	F.P.	22	90	109	125	140	146	154	175	195	206	260	360
	O.C.	70	82	100	121	130	142	153	172	179	188	200	435
Oct.	F.P.	22	94	116	144	155	167	174	179	195	206	233	269
	O.C.	69	88	100	117	133	148	153	167	175	194	217	500
1869													
Jan.	F.P.	22	99	113	126	164	165	177	189	206	227	238	266
	O.C.	68	82	103	117	130	148	152	167	173	184	200	361
April	F.P.	22	99	124	133	152	167	174	184	191	206	220	263
	O.C.	70	81	100	118	132	141	151	166	174	188	209	377
July	F.P.	22	96	117	135	140	149	160	168	180	187	212	316
	O.C.	69	73	100	112	127	141	156	167	178	188	200	361
Oct.	F.P.	22	95	107	133	139	153	155	173	180	186	202	249
	O.C.	69	68	100	112	135	141	148	159	175	180	200	444
1870													
Jan.	F.P.	22	91	113	128	140	149	151	161	172	177	203	270
	O.C.	68	70	100	111	125	137	143	150	166	180	200	352
April	F.P.	22	85	103	115	130	140	141	154	161	174	208	228
	O.C.	70	67	97	105	120	126	137	144	157	174	200	367
July	F.P.	22	90	108	125	127	130	132	157	166	187	205	283
	O.C.	70	67	95	102	118	125	132	142	157	179	191	380
Oct.	F.P.	22	94	102	116	128	137	147	150	152	176	195	221
	O.C.	70	65	91	103	118	127	133	141	154	173	190	323
1871													
Jan.	F.P.	22	91	109	112	122	130	140	141	164	179	192	235
	O.C.	70	60	90	100	117	126	133	141	150	167	185	343
April	F.P.	22	100	114	121	125	130	134	140	165	167	206	239
	O.C.	69	61	88	105	117	127	130	141	150	158	180	337
July	F.P.	22	82	98	117	118	119	129	138	153	155	191	246
	O.C.	70	64	89	102	117	125	131	142	147	158	175	333
Oct.	F.P.	22	85	104	111	122	125	127	130	143	155	182	212
	O.C.	70	64	93	104	117	125	131	142	150	162	180	361

TABLE 16—(CONTINUED).

Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.

Date	Class of Commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1872													
Jan.	F.P.	22	86	108	121	124	130	132	134	140	153	206	215
	O.C.	70	55	89	104	118	127	133	142	150	164	180	343
April	F.P.	22	82	98	111	123	130	133	158	165	183	212	215
	O.C.	68	55	93	104	120	129	140	150	158	170	200	324
July	F.P.	22	79	90	103	110	114	117	130	138	145	198	236
	O.C.	70	55	90	106	120	128	138	150	153	169	194	330
Oct.	F.P.	22	88	101	119	122	125	129	131	141	152	187	212
	O.C.	69	55	92	109	122	129	140	150	158	174	200	326
1873													
Jan.	F.P.	22	77	110	112	128	131	133	141	148	190	194	232
	O.C.	70	55	92	104	121	127	136	146	153	160	190	361
April	F.P.	22	89	104	107	129	131	132	143	160	180	200	236
	O.C.	70	58	89	104	120	129	139	147	153	168	194	333
July	F.P.	22	75	95	107	110	118	123	130	142	167	200	236
	O.C.	70	58	91	102	114	126	136	142	152	168	190	333
Oct.	F.P.	22	86	103	106	114	123	125	131	137	168	196	227
	O.C.	69	58	91	103	116	126	136	150	153	167	200	367
1874													
Jan.	F.P.	22	97	113	120	124	127	133	146	157	193	201	232
	O.C.	70	58	91	104	110	119	128	140	150	158	183	352
April	F.P.	22	104	112	118	122	130	140	156	165	180	227	232
	O.C.	70	58	92	102	110	117	125	135	146	160	197	346
July	F.P.	22	101	106	111	115	126	130	133	155	167	199	203
	O.C.	70	58	90	104	110	116	129	139	145	161	197	352
Oct.	F.P.	22	92	105	116	118	130	131	138	143	146	179	235
	O.C.	69	58	89	98	109	123	130	135	142	157	200	394
1875													
Jan.	F.P.	22	93	105	119	127	130	132	149	158	174	192	240
	O.C.	70	67	88	99	106	112	124	130	137	154	194	359
April	F.P.	22	96	101	116	119	123	141	145	153	163	172	238
	O.C.	70	64	90	96	106	117	125	129	138	147	164	407
July	F.P.	22	98	101	103	118	120	124	141	143	152	175	238
	O.C.	70	55	88	95	105	109	120	127	135	146	162	432
Oct.	F.P.	22	91	98	107	108	119	120	133	148	155	160	221
	O.C.	70	45	84	95	102	109	119	129	134	143	173	426

TABLE 16—(CONTINUED).

Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.

Date	Class of Commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1876													
Jan.	F.P.	22	93	95	99	109	111	121	128	132	148	168	196
	O.C.	70	59	82	95	100	106	117	123	131	144	160	398
April	F.P.	22	79	92	97	104	106	116	123	133	157	174	206
	O.C.	70	61	82	93	100	106	114	125	130	140	149	394
1876													
July	F.P.	22	69	79	93	98	103	104	112	117	121	162	199
	O.C.	70	64	78	85	95	105	112	120	125	137	152	391
Oct.	F.P.	22	70	78	96	101	103	108	125	132	144	153	169
	O.C.	69	55	80	88	93	99	106	115	127	140	160	393
1877													
Jan.	F.P.	22	70	83	105	115	116	123	129	150	160	169	229
	O.C.	70	61	74	85	95	105	110	120	125	133	142	393
April	F.P.	22	65	78	100	102	106	111	126	141	150	183	239
	O.C.	70	41	74	84	90	95	104	114	123	133	142	409
July	F.P.	22	70	86	95	100	101	104	112	140	158	161	197
	O.C.	70	41	71	81	86	95	100	108	123	131	137	391
Oct.	F.P.	22	56	81	89	97	104	109	113	120	124	140	188
	O.C.	70	41	74	82	87	92	100	108	120	128	134	396
1878													
Jan.	F.P.	22	50	84	91	99	103	107	116	122	128	150	173
	O.C.	69	45	71	78	83	85	94	100	115	123	140	382
April	F.P.	22	50	69	79	84	91	97	106	119	125	147	161
	O.C.	69	36	64	75	80	83	90	100	113	125	142	432
July	F.P.	22	49	69	72	76	86	89	95	95	105	117	162
	O.C.	69	36	64	70	77	84	90	100	103	117	133	378
Oct.	F.P.	22	67	69	69	83	92	97	105	112	121	165	168
	O.C.	68	45	63	68	78	85	90	100	106	120	133	380
1879													
Jan.	F.P.	22	47	65	70	83	84	87	99	120	141	150	228
	O.C.	69	46	56	67	75	81	88	93	103	124	138	370
April	F.P.	22	49	66	72	76	83	88	100	106	119	150	190
	O.C.	69	36	62	64	74	80	84	92	104	120	150	370
July	F.P.	22	50	61	72	74	79	90	100	114	118	150	170
	O.C.	69	36	59	63	71	81	83	91	103	125	150	370
Oct.	F.P.	22	71	81	86	91	97	100	105	110	112	126	185
	O.C.	68	36	60	72	78	82	88	100	110	125	150	380

TABLE 16—(CONCLUDED).

Relative wholesale prices of farm products and other commodities: by quarters, 1860-1880.

Date	Class of Commodities	No. of series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1880													
Jan.	F.P.	22	85	99	102	110	113	115	123	123	126	157	176
	O.C.	67	36	76	83	90	94	102	112	120	136	150	393
April	F.P.	22	72	82	89	100	107	110	112	119	142	155	176
	O.C.	68	36	71	87	93	102	106	112	125	140	167	382
July	F.P.	22	69	78	84	87	91	96	108	112	113	127	165
	O.C.	68	36	67	76	88	98	103	110	120	127	150	385
Oct.	F.P.	22	71	88	93	97	101	108	115	118	126	148	175
	O.C.	68	36	67	83	90	95	100	104	120	127	142	398

entered on the rapid decline following the crisis of 1873, farm products once more moved more sluggishly, and as a result their relative prices were on the whole higher for every quarter from 1874 to 1879, with the exception of July, 1876, and July, 1878.

In the final movement of the price-level which the table shows, however, farm products took the lead. This fact was due to the peculiar character of the conditions which produced the movement. The European harvests of 1879 were very much below their average in quantity and quality. The result was an enormous export demand for American breadstuffs—a demand so large that it carried prices very high, despite the large supplies which an exceptionally favorable season in the United States provided. The advance in the prices of other commodities was in large measure a result of this advance in the prices of breadstuffs. Farmers selling large crops at high prices in their turn bought very freely and this brisk demand affected directly or indirectly the price of nearly every commodity.

In Table 16 all of the commodities are treated as having the same importance. But if it is desired to use the table of prices of farm products in investigating the business prosperity of the farmers it is necessary to recognize the wide differences between different products as sources of income. Estimates for this purpose can be made better if four classes of farmers be taken separately—(1) grain farmers, (2) stock farmers, (3) dairy farmers, and (4) cotton planters. Figures indicating the relative money value of the more important grain crops—based on census returns of yields in 1860, 1870, and 1880, and price estimates made by the Department of Agriculture—are published in the *Aldrich Report.*[13] For the relative importance of cattle, sheep, and hogs as farm products I have been able to find no good contemporary estimates, and have therefore used figures (43.3 per cent. for cattle, 5.1 per cent. for sheep, 51.6 per cent. for hogs) based on census estimates of animals slaughtered on farms and sold by farmers for slaughter in 1899.[14] A similar set of weights was obtained from the *Twelfth Census* for milk, butter, and cheese; but I have refrained from using it, because the market for the most important of these articles—milk—was strictly a local market from 1860 to 1880. It would be absurd to treat our single series of quotations from New York City for milk in the same way as we treat Chicago quotations for wheat or hogs. Finally, cotton stands by itself and requires no weighting.

For these weighted series there is no point in computing deciles. A farmer's money income is to him a whole—not an aggregate of successive tenths in each of which he sees a separate significance aside from its contribution to the whole. The purpose of the present computations is to approximate the influence of price-fluctuations on the money incomes of certain classes of farmers, and the most significant form of average is the arithmetic mean.

The results, as set forth in Table 17, require no restatement in words. But it is desirable to enter a warning against taking the figures too literally. The original data are prices in im-

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[13] Part I, p. 108. The weights I have used are as follows:

	1860-65 per cent	1866-75 per cent	1876-80 per cent
Wheat	33.9	37.0	44.8
Corn	49.0	39.2	35.6
Oats	11.7	18.3	15.1
Rye	3.0	2.2	1.5
Barley	2.4	3.3	3.0
	100.0	100.0	100.0

In computing these weights for grain farms I have taken but half the estimated value of the corn crop, because of the large amount of corn raised on stock farms and fed to hogs or cattle.

[14] *Twelfth Census*, Agriculture, Part 1, p. CCXXII.

TABLE 17.

Arithmetic means of relative wholesale prices of certain classes of farm products, weighted according to estimated money value of the crops: by quarters, 1860-1880.

NOTE.—For explanation of the weights used, see p. 55.

	92 commodities	5 grains	Hogs, cattle, sheep	Cotton
1860				
Jan.	102	113	104	101
Apr.	102	100	106	101
July	100	94	90	98
Oct.	102	93	101	99
1861				
Jan.	100	94	105	112
Apr.	98	89	96	117
July	95	67	77	136
Oct.	103	80	73	197
1862				
Jan.	115	91	75	336
Apr.	112	86	83	253
July	120	83	71	346
Oct.	126	91	75	515
1863				
Jan.	142	114	89	618
Apr.	160	131	107	668
July	155	114	97	631
Oct.	155	121	84	773
1864				
Jan.	179	162	124	741
Apr.	197	164	152	695
July	236	213	163	1410
Oct.	239	191	191	1101
1865				
Jan.	248	228	228	1096
Apr.	206	172	224	343
July	183	111	166	430
Oct.	205	134	216	426
1866				
Jan.	199	126	190	469
Apr.	186	111	174	354
July	191	136	183	325
Oct.	188	155	180	373
1867				
Jan.	179	172	138	325
Apr.	175	184	165	263
July	170	155	147	240
Oct.	172	186	138	197
1868				
Jan.	171	199	140	153
Apr.	176	193	175	266
July	165	167	162	294
Oct.	166	159	154	246
1869				
Jan.	165	151	167	238
Apr.	165	139	177	262
July	158	142	163	316
Oct.	157	129	165	249
1870				
Jan.	152	129	167	232
Apr.	146	118	164	208
July	145	125	163	187
Oct.	143	115	146	152
1871				
Jan.	142	115	138	140
Apr.	140	129	141	139
July	137	118	107	191
Oct.	139	116	105	182
1872				
Jan.	141	117	112	185
Apr.	145	113	113	215
July	139	104	109	236
Oct.	143	105	114	173
1873				
Jan.	142	111	108	189
Apr.	144	112	124	182
July	140	100	111	192
Oct.	140	109	103	168
1874				
Jan.	140	127	115	149
Apr.	141	126	124	156
July	138	117	118	162
1875				
Jan.	138	123	136	132
Apr.	132	122	145	152
July	129	117	141	141
Oct.	127	103	143	121
Oct.	138	120	123	141

TABLE 17—(CONCLUDED).

Arithmetic means of relative wholesale prices of certain classes of farm products, weighted according to estimated money value of the crops: by quarters, 1860-1880.

	92 commodities	5 grains	Hogs, cattle, sheep	Cotton
1876				
Jan.	122	100	133	121
Apr.	122	102	142	123
July	118	91	118	109
Oct.	117	94	112	101
1877				
Jan.	121	103	126	116
Apr.	118	103	116	106
July	114	111	113	112
Oct.	110	94	109	102
1878				
Jan.	107	98	100	103
Apr.	105	91	93	96
July	99	75	96	105
Oct.	102	78	84	97
1879				
Jan.	100	77	81	87
Apr.	99	78	95	98
July	98	82	91	114
Oct.	103	89	90	97
1880				
Jan.	114	110	99	116
Apr.	116	94	98	119
July	110	82	94	108
Oct.	111	85	101	106

portant markets, but they cannot be assumed to represent the prices realized by every farmer in the country. For many farm products we have either no price quotations, or no estimates of relative importance. Even for the products included in the table these estimates of importance are merely rough approximations. Most important of all, variations in the prices of their products is only one factor in determining the business prosperity of farmers:—variations in yields are probably more important, and there are numerous other factors by no means negligible. The extraordinarily high prices of cotton during the war, for example, do not mean prosperity for the planter.

VII.—Arithmetic Means of Relative Prices at Wholesale—Falkner's and Dun's Index Numbers.

The tables of deciles, on which the main reliance has been placed in this chapter, have three disadvantages:—they are unfamiliar to readers, they cannot well be compared with other tables of relative prices, and they show details with a fullness which for some purposes is embarrassing. It is therefore desirable to supplement the preceding tables with one which gives the common form of average, side by side with Falkner's and Dun's well-known index numbers.

Concerning the first two columns in the following table nothing need be said except that the prices of gold are taken from Table 2, and the medians from Table 4. The arithmetic means of the third column have been computed from the tally sheets used in finding the deciles. They are "simple" averages of the familiar type. Objection has frequently been made to arithmetic means as a form of average for index numbers on the ground that while relative prices may rise thousands of points above 100, they cannot fall more than 100 points. An advance on the part of one series to 500 points may well be regarded as less remarkable than the fall of another series to 20; but the first change would exercise far more influence on the arithmetic mean than the second. This objection applies with especial force to a table of prices for the years of the civil war, when a few commodities like cotton, alcohol, tar, etc., rose to such extraordinary heights. The effect of such cases on the arithmetic mean is shown by the fact that in 9 of the 84 quarters covered by the table the arithmetic mean equals or exceeds the 7th decile; in 36 more cases it equals or exceeds the 6th decile; in 35 more cases it exceeds the median. Only three times does it coincide with the median—July, 1860, January, 1861, July, 1869—, and only once is it less than the median—July, 1861. The arithmetic mean, indeed, corresponds much more closely to the 6th decile than to the median, and lies more often above it than below.[15] The median, while not affected by these cases of extraordinary advance in price, is rather erratic within limits of several points, because its precise position is often dependent on the relative price of a single commodity which stands in the middle of the scale of relative prices. In short,

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[15] The reason why the arithmetic mean is not 100 in January, 1860, is that the relative prices of a number of commodities, particularly farm products, were computed on the basis of the average of four quarterly quotations, and the January quotation is in most cases somewhat higher than the average.

Both the medians and the arithmetic means for 1860 to 1865 in this table differ somewhat from the corresponding figures in Table XIV of *A History of the Greenbacks*, (p. 256). The differences are due to changes in the list of commodities used—necessary in extending the table from 1865 to 1880—and to changes in the grouping of certain related commodities. Of course slight changes in the data employed in compiling a table of prices alter the averages obtained more seriously at a time when the range of variation in prices is very wide than at a time of comparative stability of prices.

TABLE 18.

Comparison of various averages of relative wholesale prices of commodities and of the price of gold: by quarters and by years, 1860-1880.

		Average price of gold	Quarterly table		Falkner's table		Dun's index no.—relative prices
			Median	Arith. mean	Simple average	Weighted average	
1860	Jan.	100.0	100	102	100.0	100.0	
	Apr.	100.0	100	102			
	July	100.0	100	100			100
	Oct.	100.0	100	102			
1861	Jan.	100.0	100	100	100.6	94.1	
	Apr.	100.0	96	98			
	July	100.0	96	95			89
	Oct.	100.0	97	103			
1862	Jan.	102.5	100	115	117.8	104.1	
	Apr.	101.5	100	112			
	July	115.5	100	120			103
	Oct.	128.5	111	126			
1863	Jan.	145.1	125	142	148.6	132.2	
	Apr.	151.5	137	160			
	July	130.6	134	155			150
	Oct.	147.7	135	155			
1864	Jan.	155.5	156	179	190.5	172.1	
	Apr.	172.7	169	197			
	July	258.1	194	236			242
	Oct.	207.2	200	239			
1865	Jan.	216.2	216	248	216.8	232.2	
	Apr.	148.5	190	206			
	July	142.1	158	183			169
	Oct.	145.5	175	205			
1866	Jan.	140.1	182	199	191.0	187.7	
	Apr.	127.3	173	186			
	July	151.6	181	191			181
	Oct.	148.3	173	188			
1867	Jan.	134.6	169	179	172.2	165.8	
	Apr.	135.6	166	175			
	July	139.4	150	170			164
	Oct.	143.5	162	172			
1868	Jan.	138.5	158	171	160.5	173.9	
	Apr.	138.7	162	176			
	July	142.7	154	165			159
	Oct.	137.1	159	166			
1869	Jan.	135.6	159	165	153.5	152.3	
	Apr.	132.9	159	165			
	July	136.1	158	158			143
	Oct.	130.2	153	157			
1870	Jan.	121.3	147	152	142.3	144.4	
	Apr.	113.1	140	146			

TABLE 18—(CONCLUDED).

Comparison of various averages of relative wholesale prices of commodities and of the price of gold: by quarters and by years, 1860-1880.

		Average price of gold	Quarterly table		Falkner's table		Dun's index no.—relative prices
			Median	Arith. mean	Simple average	Weighted average	
1870	July	116.8	132	145			129
	Oct.	112.8	135	143			
1871	Jan.	110.7	133	142	136.0	136.1	
	Apr.	110.6	131	140			
	July	112.4	130	137			132
	Oct.	113.2	129	139			
1872	Jan.	109.1	133	141	138.8	132.4	
	Apr.	111.1	140	145			
	July	114.3	130	139			131
	Oct.	113.2	133	143			
1873	Jan.	112.7	135	142	137.5	129.0	
	Apr.	117.8	137	144			
	July	115.7	130	140			124
	Oct.	108.9	131	140			
1874	Jan.	111.4	130	140	133.0	129.9	
	Apr.	113.4	129	141			
	July	110.0	130	138			124
	Oct.	110.0	130	138			
1875	Jan.	112.5	127	138	127.6	128.9	
	Apr.	114.8	125	132			
	July	114.8	121	129			117
	Oct.	116.4	120	127			
1876	Jan.	112.8	117	122	118.2	122.6	
	Apr.	113.0	115	122			
	July	111.9	110	118			101
	Oct.	109.7	108	117			
1877	Jan.	106.3	114	121	110.9	113.6	
	Apr.	106.2	108	118			
	July	105.4	100	114			95
	Oct.	102.8	102	110			
1878	Jan.	102.1	99	107	101.3	104.6	
	Apr.	100.6	96	105			
	July	100.5	90	99			84
	Oct.	100.5	94	102			
1879	Jan.	100.0	88	100	96.6	95.0	
	Apr.	100.0	84	99			
	July	100.0	85	98			85
	Oct.	100.0	95	103			
1880	Jan.	100.0	108	114	106.9	104.9	
	Apr.	100.0	107	116			
	July	100.0	102	110			94
	Oct.	100.0	101	111			

neither form of average by itself is wholly satisfactory; not only because neither shows the range and distribution of the relative prices of the whole list of commodities, but also because neither is free from arbitrary and unrepresentative influences. A ''smoothed'' curve based on the medians would probably be the most satisfactory single series of averages; but no single set of averages tells as much as the table of deciles.

The next two columns in the table show Falkner's familiar index numbers from the Aldrich Report.[16] These index numbers are arithmetic means made from the relative prices of some 230 nominally distinct commodities. The second series was weighted by figures drawn from budgets of family expenditure. The differences between the single and weighted series is considerable for the years of the war, but small for most of the later years. The simple average agrees with the median of the quarterly table more closely on the whole than with the arithmetic mean; but the weighted average agrees more closely with the arithmetic mean than with the median. From 1862 to 1864, Falkner's simple average is higher than the arithmetic mean of the quarterly table —partly because Falkner did not group in a single series the numerous varieties of cotton textiles, all of which rose violently in price; partly because his practice of using July instead of January quotations for certain commodities gives these commodities higher relative prices in his table than they have for January in the quarterly table during years when prices were rising rapidly.[17] From 1865 to 1880 his simple averages are always lower than my arithmetic means. In 1865 the chief reason for the wide difference is that July quotations are much lower than January quotations. In later years when prices were changing more slowly, this factor is of less consequence, and the chief reason seems to be Falkner's use of slightly different kinds of the same commodity as independent series. It so happens that in the cases where Falkner uses series for several varieties of one commodity these series rank more often below than above the general average. Such is emphatically the case in the most conspicuous instance—that of the 25 series for different kinds of pocket knives.

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[16] Part I, p. 93.

[17] See *A History of the Greenbacks*, pp. 240-242.

To test the effect of this factor I have recomputed Falkner's index number for 1880 from his own relative prices after grouping the closely related commodities as they are grouped in the quarterly table, and find that the simple average is 112.8 instead of 106.9. This new result is much closer to the arithmetic mean of the quarterly table (114) than to Falkner's own average. A part of the difference between his and my arithmetic means, however, is due to the inclusion of commodities in Falkner's table for which quarterly prices are not available, and to the inclusion in the quarterly table of several farm products put by Falkner in a separate table.

Falkner's weighted average is open to two important criticisms in addition to those which may be passed on his simple average: (1) as has been said, the plan of applying weights drawn from family expenditures in purchases at retail to series of relative prices at wholesale is illogical; (2) the articles for which Falkner had wholesale prices and to which he applied the weights are in large part not articles which enter into family consumption, but raw materials from which consumption goods are produced or articles which a family does not consume in any form —for example, anvils and circular saws.

The last column in the table shows Dun's index number for July of each year changed into a series of relative numbers on the basis, July, 1860=100. As originally computed, this index number professes to show the sum of the actual prices of a large number of necessary articles each weighted according to annual *per capita* consumption in the United States. The relative figures given in the table show more violent oscillations than any of the other series. On the whole they differ somewhat less from the medians than from the arithmetic means of the quarterly table. The value of Dun's index number, however, as an indication of changes in the price-level will remain uncertain until its compilers publish the list of commodities used, the sources from which their quotations were obtained, and the methods by which their weights were computed.

CHAPTER III.

PRICES OF COMMODITIES AT RETAIL.

I.—Material and Methods.

The material available for the investigation of fluctuations in retail prices during the years of the paper standard does not include so many commodities as the material for wholesale prices, and was not collected with as much care. The only large collection of data is the "Report on the Average Retail Prices of Necessaries of Life in the United States," prepared under the direction of Mr. Joseph D. Weeks, and published in volume 20 of the *Tenth Census*.[1] To gather information Mr. Weeks drew up a special schedule on which appeared the names of 60 "necessaries of life" and spaces for entering their retail prices for the years 1851 to 1880. He sent copies to shop-keepers in a large number of towns, requesting them to enter the prices of as many of the articles as they could, and for as many years. The 60 necessaries were subdivided into provisions; groceries, etc. (including coal, wood, and oil); domestic dry goods, etc. (including boots); house-rent, and board. Spaces were provided for entering the name, address, and line of business of the person, firm, or corporation making the return. By way of directions this note was prefixed to the list of necessaries: "In filling out this table please give retail prices and prices that will be a fair average for the year, if possible. If this cannot be done, give prices on or about June 1st of each year." At the end of the list there was added: "Please state if prices are average prices per year or prices on or about June 1."[2]

Four hundred and nine of these schedules were filled in and returned to the Census Office by shop-keepers in 16 states ranging from Massachusetts to Florida and Missouri. Some gave prices for only a few years, a few ran back to 1851. Mr. Weeks published the returns substantially as he received them without making any attempt to show the drift of the changes in prices. For this reason later students of prices have practically ignored his report. They could not utilize it without a laborious and expensive process of computing relative prices and striking averages.

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[1] Hereafter referred to as "Weeks's Report on Retail Prices."

[2] This schedule is not published in Weeks's Report, but may be found in Wright and Hunt's *History and Growth of tne United States Census*, (56th Congress, 1st session, Senate Doc. No. 194), pp. 867, 868.

The value of the material collected in this fashion is open to some doubt. It certainly cannot be used safely to investigate the retail prices of commodities in different towns at the same time. For the descriptions of the commodities listed on the schedules were so brief as to give no assurance that the articles quoted by different shop-keepers were identical in grade or quality. Mr. Weeks, however, thought it "fair to presume that in a given tabulation the price of the same quality or grade of each article, as near as is possible, is quoted for the different years, as the report is made by the same person and of the prices at the same shop."[3] On this assumption the data may be used for investigating the changes in the level of retail prices from year to year—though not without serious reservations. It is probable that the quality of the provisions, groceries, and dry-goods sold by the same retail shops under the same names, differed more from year to year than the quality of the staple commodities for which we have wholesale prices. But this admission detracts less from the value of the data as material for the study of changes in the money cost of living than from its value as material for studying the relations between prices at wholesale and at retail. For consumers buy the goods which shop-keepers have in stock, and when a new make of flour or a new pattern of ginghams is introduced and sold as a staple in place of the old there is no objection to using its price. Indeed, no other course is feasible, because most consumption goods are continually undergoing minor modifications in quality.

Another source of doubt about the data is the accuracy with which shop-keepers computed the average prices of the commodities in which they dealt. The direction to give "prices that will be a fair average for the year" is rather indefinite and seems to invite rough estimates. But unless the schedules had been filled in by expert special agents from the census office, it is probable that explicit directions requiring the making of elaborate computations would have been disregarded. The returns should be regarded as more or less expert estimates based on inspection of old accounts rather than as accurate quotations, such for example as can be given for the price of a certain grade of wheat on the Chicago Board of Trade for a particular day. The approximate character of the individual statements of price matters less because we have from 6 to 23 series of quotations for every commodity included in the following tables.

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[3] *Report*, p. 2.

This description of Weeks's Report on Retail Prices shows that it is far from being an ideal source of information. The field is one, indeed, where the obstacles to satisfactory statistical treatment are far more formidable than in the field of wholesale prices or of wages. But this report is the only considerable collection of data available, and the choice lies between using it and giving up the attempt to learn what effect the paper standard had on prices at retail and cost of living. Working over the material increases one's confidence in its reliability; for the returns from different towns show both the general agreements and the detailed differences characteristic of price-statistics gathered from many independent sources. Moreover, the results which the final tables show are substantially in accordance with expectations based on other investigations of a similar sort. It would, of course, be an error to accept the tables as an unimpeachable index of the precise changes which occurred in the retail price-level; but it would be going too far in the other direction to refuse to accept the broad conclusions which they suggest. As usually happens in such undertakings, it is quite impossible to state quantitatively the probable margin of error in the figures.

In dealing with the material in Weeks's report I rejected (1) all series of quotations not expressly stated to show average prices for the year, and (2) all series not approximately complete for the whole period, 1860 to 1880. The number of series left by this process of elimination was 554. Each one of these series was next reduced to a series of relative prices on the basis: actual prices in 1860=100. Then all the series of relative prices from different towns for the same commodity were averaged. This step left 60 series of relative prices for as many nominally district "necessaries of life." Next, for reasons similar to those explained in the chapter on wholesale prices, the series for closely related commodities were grouped together, and averages were struck for these groups. Thus the number of series used in making the tables was cut down from 60 to 36—or rather to 34 and 35, for the series for board was not used at all, and the series for house-rent was used only in the tables of cost of living. The series used, and the number of sets of quotations on which each series is based, are shown in Table 19. The names of the 60 "necessaries" for which Weeks collected data are incidentally shown in Table 25, and all of the 554 original series are given at length in the appendix (Table 4).

TABLE 19.

Conspectus of the material used in making tables of relative retail prices.

NOTE.—For explanations, see pp. 63 to 66.

Serial No.	Titles of series used in making the tables	Number of sets of quotations averaged.	Serial No.	Titles of series used in making the tables	Number of sets of quotations averaged.
1	Beans	9	21	Mutton	20
2	Beef—fresh	26	22	Oil—coal or carbon	8
3	Beef—corned	9	23	Pork—fresh	14
4	Boots	23	24	Pork—preserved	30
5	Butter	9	25	Potatoes	8
6	Cheese	9	26	Rice	9
7	Coal—anthracite	6	27	Satinets	11
8	Coal—bituminous	6	28	Syrup	7
9	Codfish	7	29	Soap	8
10	Coffee	17	30	Starch	8
11	Corn meal	9	31	Sugar	25
12	Cotton textiles	84	32	Tea	9
13	Eggs	9	33	Veal	21
14	Flour—rye	7	34	Wood	19
15	Flour—wheat	13			
16	Lard	9		Total	492
17	Mackerel	7	35	House-rent	36
18	Milk	7	36	Board	26
19	Molasses	17			
20	Mousselines de laine	12		Total	554

Regarding the construction of the summary tables presented in this chapter nothing need be said except that the same methods have been followed in ascertaining deciles for retail as for wholesale prices.[4]

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[4] See Chapter II, section i, above.

II.—Relative Prices of 34 Commodities at Retail.

Table 20 shows the 36 series of relative prices at retail from 1860 to 1880. Every series without exception shows a marked advance during the civil war and a marked fall during the '70's. Nine commodities reached their maximum relative prices in 1864, 8 in 1865, 8 in 1866, 2 in 1867, 5 in 1868, and one each in 1869 and 1870. During the subsequent fall of prices 1 commodity reached its lowest price in 1873, 2 in 1876, 1 in 1877, 4 in 1878, 14 in 1879, and 12 in 1880.[5] Thus the table shows a broad similarity in the character of the price fluctuations of all series, combined with marked diversities of detail. A similar remark may be made concerning the relation between the movements of retail

TABLE 20.

Arithmetic means of the different series of relative retail prices of the same commodities: by years, 1860-1880.

	Beans	Beef—fresh	Beef—corned	Board	Boots—men's heavy	Butter	Cheese	Coal—anthracite	Coal—bituminous	Codfish	Coffee	Cornmeal
No. of individual series	9	26	9	26	23	9	9	6	6	7	17	9
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	104	110	103	110	104	93	90	103	105	102	102	111
1862	122	112	103	119	120	110	97	115	115	112	128	118
1863	142	129	117	136	140	129	113	167	151	128	167	143
1864	156	156	134	156	160	188	153	205	154	147	236	174
1865	156	168	147	161	160	218	175	216	144	161	238	190
1866	160	170	147	158	155	215	180	200	143	166	232	183
1867	172	168	135	151	148	210	177	172	139	163	218	188
1868	185	158	148	154	144	232	168	172	133	161	196	174
1869	179	156	138	153	140	203	164	170	133	160	175	168
1870	163	150	128	149	135	203	154	157	130	156	170	167
1871	157	136	121	148	134	194	139	159	135	150	173	146
1872	155	136	117	148	132	193	144	152	135	149	170	136
1873	158	136	112	147	127	187	137	158	130	147	167	134
1874	154	131	111	143	122	181	136	154	129	143	162	140
1875	146	128	109	144	121	169	134	155	126	139	157	140
1876	134	129	111	142	116	165	124	135	127	136	149	137
1877	152	125	109	142	113	163	127	122	122	129	145	136
1878	140	122	104	139	109	156	122	127	119	126	140	128
1879	145	121	103	141	110	162	118	114	118	121	127	125
1880	150	118	105	142	109	167	135	130	121	115	122	129

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[5] When the maximum or minimum price was maintained for two years I have put it down to the credit of the earlier year. Board and rent are not included in the statements. The former was highest in 1865 and lowest in 1878; the latter highest in 1872 and lowest in 1879.

TABLE 20—(CONCLUDED).

Arithmetic means of the different series of relative retail prices of the same commodities: by years, 1860-1880.

	Cotton textiles	Eggs	Flour—rye	Flour—wheat	Lard	Mackerel, pickled	Milk	Molasses	Mousselines de laine	Mutton	Oil, coal	Pork, fresh
No. of individual series	84	9	7	13	9	7	7	17	12	20	8	14
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	127	92	103	109	98	93	122	106	128	108	94	122
1862	211	103	109	115	106	111	132	135	150	111	100	129
1863	319	122	157	160	120	125	154	184	185	123	154	143
1864	454	133	198	188	146	153	174	237	238	134	171	186
1865	411	167	215	206	174	149	172	230	206	153	174	210
1866	334	163	217	219	175	152	170	224	170	154	141	214
1867	263	174	210	214	173	149	171	217	134	155	127	213
1868	223	190	188	184	179	147	168	211	121	167	116	211
1869	186	155	179	176	182	150	164	209	113	151	98	204
1870	169	159	172	169	162	142	156	194	110	143	91	183
1871	145	159	152	151	126	152	131	194	99	137	69	154
1872	139	162	144	156	116	147	131	188	97	134	66	151
1873	131	159	146	151	112	149	126	183	97	131	61	152
1874	123	148	147	144	121	144	127	180	94	130	55	157
1875	115	150	145	138	130	147	127	168	92	125	51	159
1876	107	147	148	148	128	142	127	163	87	128	49	156
1877	102	140	150	147	111	131	131	166	85	124	50	148
1878	96	143	131	138	100	130	131	165	80	123	41	139
1879	95	143	129	126	97	118	131	148	80	119	36	136
1880	94	142	132	127	107	116	131	144	81	118	35	134

	Pork, preserved	Potatoes	Rent	Rice	Satinets, medium quality	Sirup	Soap, common	Starch	Sugar	Tea, Oolong or other good black	Veal	Wood, fuel
No. of individual series	30	8	36	9	11	7	8	8	25	9	21	19
1860	100	100	100	100	100	100	100	100	100	100	100	100
1861	107	103	98	113	117	103	96	102	104	104	108	114
1862	113	129	104	159	156	119	111	113	128	137	106	132
1863	127	144	114	187	188	144	139	135	148	175	117	152
1864	156	170	130	220	205	187	154	161	188	219	136	170
1865	182	173	135	217	192	189	164	178	192	268	147	176
1866	180	207	138	211	157	200	180	174	188	254	147	187
1867	178	166	134	191	138	212	165	177	170	245	150	182
1868	178	184	139	196	126	193	167	178	161	222	147	178
1869	172	161	142	188	121	190	164	171	162	207	146	187
1870	160	150	144	177	118	176	146	158	155	201	140	194
1871	144	164	147	169	112	158	145	139	148	175	130	178
1872	139	163	148	165	108	153	145	139	146	163	129	173
1873	134	165	145	161	106	148	132	133	138	147	126	177
1874	137	162	145	157	106	146	126	127	123	133	127	173
1875	138	150	141	141	104	137	124	125	125	124	122	165
1876	135	142	133	141	101	129	115	119	124	119	123	164
1877	131	171	132	139	97	129	115	113	121	105	116	145
1878	121	144	132	138	95	121	108	104	116	107	115	137
1879	118	145	130	130	95	120	104	103	113	102	114	136
1880	120	157	133	133	95	116	102	99	114	102	114	138

prices here depicted and the movements of wholesale prices shown in the preceding chapter. The most striking differences between the wholesale and retail price movements are that the latter show a rise instead of a fall of prices in 1861 and in 1866, and fall more slowly after 1866 and again after the crisis of 1873. This slower fall left the level of retail prices as compared with 1860 considerably higher than the level of wholesale prices at the end of the paper-standard period. Whereas in July, 1879, 57 out of 91 series of prices at wholesale had relative prices less than those of 1860, only 5 out of 34 retail series were in a similar position.

A more succinct exhibit of the retail-price movement is afforded by Table 21 which gives deciles for the series shown in Table 20, excepting rent and board. According to these figures there was a noticeable difference between the movements of retail and wholesale prices in 1861. More than one-half of the wholesale series stand below 100 in April, July and October, while the

TABLE 21.

Relative retail prices of 34 commodities: by years, 1860-1880.

NOTE.—Constructed from the series shown in Table 20, by the method explained on p. 19. For interpretation compare the explanation of Table 4 on p. 22.

Date	No. of series	Lowest rel. Price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	34	100	100	100	100	100	100	100	100	100	100	100
1861	34	90	93	98	103	103	104	106	108	113	122	128
1862	34	97	103	109	111	113	115	120	128	132	150	211
1863	34	113	120	125	129	140	143	151	154	167	185	319
1864	34	133	136	153	156	160	170	186	188	205	236	454
1865	34	144	149	160	168	174	176	190	206	216	230	411
1866	34	141	147	155	166	170	180	187	200	215	224	334
1867	34	127	138	149	165	170	172	177	188	212	217	263
1868	34	116	133	147	161	168	174	179	185	196	211	232
1869	34	98	133	146	156	162	164	172	179	187	203	209
1870	34	91	128	140	150	155	157	162	169	176	194	203
1871	34	69	121	131	137	144	146	152	157	164	175	194
1872	34	66	116	131	136	139	144	149	153	163	170	193
1873	34	61	112	126	131	134	137	147	151	159	167	187
1874	34	55	111	123	127	131	136	144	147	157	162	181
1875	34	51	109	122	125	127	134	139	145	150	159	169
1876	34	49	107	116	124	127	129	135	141	148	156	165
1877	34	50	102	111	116	122	127	131	139	147	152	171
1878	34	41	96	104	115	121	122	128	131	139	143	165
1879	34	36	95	103	113	118	118	121	127	136	145	162
1880	34	35	95	102	114	116	118	127	131	135	144	167

great majority of retail prices stand above 100. Probably the chief reason why the fall in wholesale rates did not extend generally to retail rates is to be found in its short duration. More surprising is the fact that retail prices appear to have risen in 1862 and 1863 somewhat more rapidly than wholesale prices. But in 1864 wholesale prices took the lead. After the war retail prices fell less promptly than wholesale prices—as was to be expected. The median, indeed, advanced from 1865 to 1866; but all the other deciles receded slightly. The fall of retail prices, though relatively slow, was relatively steady and appears not to have been interrupted, as was the fall of wholesale prices, by the speculative movement of the early '70's. While some one of the deciles occasionally moved upward, the general trend was unmistakably downward until 1879. Finally, the forward movement of prices in 1880 was much less pronounced in the retail than in the wholesale trade. The median of retail prices was steadily above the median for wholesale prices from 1867 to 1880; but the range of wholesale prices was wider and their upper deciles were generally higher than the corresponding figures in Table 21 until 1878. At the end of the period the relatively slow fall of retail prices had opened up a wide gap between the two sets of figures —the median for 1880 standing in one case at 118 and in the other at about 105 for the year as a whole.[6]

Greater steadiness of movement on the part of retail prices usually characterizes comparisons of this sort. But in the present case the contrast is exaggerated by the facts, (1) that the retail quotations used are average prices for each year, while the wholesale prices are supposedly prices on definite dates; (2) that all of the series which enter into Table 21 are themselves averages of a number of single series, while the same is true of only a part of the series which enter into Table 4; and (3) that the variety of articles for which retail prices are available is much less than in the case of wholesale prices. These same facts explain the narrower range of fluctuations shown by retail prices and the somewhat higher degree of concentration about the median. If the method employed in making Table 5 from Table 4, were applied to make a table showing the distribution of the relative retail prices of Table 21 over the field covered by the fluctuations, it would show the average number of points in the price-scale between the lowest and highest relative retail prices to be 135.9, as against 422.5 points in the case of relative wholesale prices. But the result would be different if, instead of using as the basis of computation the averages of the different series for the same commodities given in Table 21, one should use the different series themselves. The latter method would give for example an extreme range of 406 points between the lowest and highest relative prices in 1880, while Table 21 shows a range of only 132 points.

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[6] The reasons for the similarities and differences between the fluctuations of relatives prices at wholesale and retail are discussed in Chapter V, section iii.

III.—Relative Prices of 21 Commodities at Retail and at Wholesale.

The broad comparisons between the movements of prices at retail and wholesale made in the last section are subject to the objection that the two lists of commodities are very different. It is therefore desirable to arrange a comparison between identical lists of commodities at retail and wholesale. Unfortunately, there are but 21 commodities in the retail tables which are substantially duplicated in the wholesale tables; and in dealing with these commodities we must assume that averages of the four wholesale quotations for each year represent average annual prices. The relative prices of these 21 commodities at retail and wholesale are shown in Table 22, and a succinct statement of the net results of the comparison is given in Table 23.

The series for the individual commodities show in most cases the kind of differences which might be expected—the wholesale prices exhibit a higher degree of variability from year to year, more extreme advances, and greater declines. The averages for all the commodities substantiate the conclusions drawn in the preceding section. Retail prices rise while wholesale prices fall in 1861; they advance more rapidly in 1862, lose a shade of their advantage in 1863, and are definitely passed in 1864. After 1866 they fall steadily until 1879, while wholesale prices show an upward turn in 1868 and again in 1873. But the fall of retail prices, while steadier, is slower so that they stand in 1879 well

TABLE 22.

Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.

Commodities		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Sheetings: brown, 4 — 4 Atlantic A.	W.	1	100	109	199	407	610	480	299	220	195	188	174
Sheetings: brown, 9 X 8 Standard	R.	11	100	135	233	352	469	405	328	275	239	209	183
Shirtings: bleached, 4 — 4 N. Y. Mills	W.	1	100	98	131	222	331	332	302	232	178	164	148
Shirtings: bleached, 4 X 4 Standard	R.	13	100	123	207	335	511	447	366	266	234	176	160
Tickings: Amoskeag, A. C. A.	W.	1	100	98	151	266	482	451	396	278	204	191	182
Tickings: good quality	R.	12	100	130	187	237	335	324	271	218	194	171	164
Flour: rye	W.	1	100	89	100	117	163	165	142	172	185	165	136
Flour: rye	R.	7	100	103	109	157	198	215	217	210	188	179	172
Meal: corn, yellow, kiln-dried	W.	1	100	85	84	117	178	163	122	156	161	133	131
Meal: corn	R.	9	100	111	118	143	174	190	183	188	174	168	167
Beans	W.	1	100	109	143	150	148	133	151	210	273	193	131
Beans	R.	9	100	104	122	142	156	156	160	172	185	179	163
Rice: Carolina prime	W.	1	100	114	163	......	......	244	273	222	210	193	172
Rice	R.	9	100	113	159	......	......	217	211	191	196	188	177
Sugar: fair refining	W.	1	100	84	116	153	233	198	159	160	166	171	147
Sugar: good brown	R.	10	100	101	123	145	200	198	202	182	170	172	156
Molasses: N. O. prime	W.	1	100	83	99	112	219	251	236	177	186	179	177
Molasses: N. O.	R.	7	100	101	138	182	232	235	230	215	210	205	200
Molasses: Porto Rico, best	W.	1	100	89	105	133	220	220	185	182	174	174	171
Molasses: Porto Rico	R.	10	100	111	131	186	241	225	217	219	212	213	188

TABLE 22—(CONTINUED).

Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.

Commodities		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Butter	W.	1	100	82	99	124	206	209	237	174	231	221	185
Butter	R.	9	100	93	110	129	188	218	215	210	232	203	203
Cheese	W.	1	100	81	75	125	173	184	190	164	160	188	150
Cheese	R.	9	100	90	97	113	153	175	180	177	168	164	154
Eggs	W.	1	100	83	90	119	150	168	163	157	184	179	179
Eggs	R.	9	100	92	103	122	133	167	163	174	190	155	159
Potatoes: white	W.	2	100	102	102	109	189	157	156	178	210	138	143
Potatoes	R.	8	100	103	129	144	170	173	207	166	184	161	150
Starch: laundry	W.	5	100	98	96	120	166	189	162	173	173	162	157
Starch: laundry	R.	8	100	102	113	135	161	178	174	177	178	171	158
Beef: ribs	W.	1	100	98	91	104	146	198	177	175	177	175	175
Beef: fresh, roasting pieces	R.	10	100	106	109	130	156	169	169	171	167	162	155
Mutton	W.	1	100	98	93	112	136	171	160	157	164	167	171
Mutton	R.	20	100	108	111	123	134	153	154	155	167	151	143
Pork: salt mess	W.	1	100	91	66	82	182	173	172	128	146	169	155
Pork: corned or salted	R.	7	100	112	117	141	176	210	208	201	210	205	185
Lard	W.	1	100	78	69	89	136	170	147	109	137	154	128
Lard	R.	9	100	98	106	120	146	174	175	173	179	182	162
Coal: anthracite, stove	W.	4	100	101	91	156	237	239	247	144	135	161	133
Coal: anthracite	R.	6	100	103	115	167	205	216	200	172	172	170	157
Coal: bituminous	W.	1	100	95	130	150	191	211	178	156	140	142	130
Coal: bituminous	R.	6	100	105	115	151	154	144	143	139	133	133	130

TABLE 22—(CONTINUED).

Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.

Commodities		No. of Series	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Sheetings: brown, 4 — 4 Atlantic A.	W.	1	153	164	159	135	122	103	99	92	91	100
Sheetings: brown, 9 X 8 Standard	R.	11	142	134	125	119	114	105	102	98	95	96
Shirtings: bleached, 4 — 4 N. Y. Mills	W.	1	134	135	126	119	97	88	82	72	74	83
Shirtings: bleached, 4 X 4 Standard	R.	13	158	147	136	126	116	109	103	94	95	96
Tickings: Amoskeag, A. C. A.	W.	1	160	159	155	138	131	104	90	89	84	93
Tickings: good quality	R.	12	140	139	130	125	120	112	109	103	103	104
Flour: rye	W.	1	144	128	143	139	131	129	123	89	90	126
Flour: rye	R.	7	152	144	146	147	145	148	150	131	129	132
Meal: corn, yellow, kiln-dried	W.	1	108	99	95	120	116	87	84	76	69	82
Meal: corn	R.	9	146	136	134	140	140	137	136	128	125	129
Beans	W.	1	143	176	179	165	122	88	146	100	83	94
Beans	R.	9	157	155	158	154	146	134	152	140	145	150
Rice: Carolina prime	W.	1	186	196	188	184	174	146	145	141	146	158
Rice	R.	9	169	165	161	157	141	141	139	138	130	133
Sugar: fair refining	W.	1	136	131	121	116	117	120	133	110	96	113
Sugar: good brown	R.	10	153	152	143	138	124	124	126	118	113	116
Molasses: N. O. prime	W.	1	134	125	148	152	136	108	96	80	71	111
Molasses: N. O	R.	7	201	196	187	178	172	162	164	162	156	149
Molasses: Porto Rico, best	W.	1	150	126	159	164	139	141	150	111	97	121
Molasses: Porto Rico	R.	10	186	179	179	182	163	163	168	168	139	139

TABLE 22—(CONCLUDED).

Relative prices of 21 commodities at wholesale and retail: by years, 1860-1880.

Commodities		No. of Series	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Butter	W.	1	172	157	160	176	161	165	145	145	119	156
Butter	R.	9	194	193	187	181	169	165	163	156	162	167
Cheese	W.	1	134	147	141	144	145	127	132	106	80	123
Cheese	R.	9	139	144	137	136	134	124	127	122	118	135
Eggs	W.	1	143	151	161	161	148	131	121	97	103	97
Eggs	R.	9	159	162	159	148	150	147	140	143	143	142
Potatoes: white	W.	2	188	123	169	165	133	116	160	109	137	99
Potatoes	R.	8	164	163	165	162	150	142	171	144	145	157
Starch: laundry	W.	5	150	142	142	142	137	127	124	113	103	103
Starch: laundry	R.	8	139	139	133	127	125	119	113	104	103	99
Beef: ribs	W.	1	167	161	153	147	147	135	130	116	112	112
Beef: fresh, roasting pieces	R.	10	142	141	142	137	135	136	130	123	120	118
Mutton	W.	1	155	181	167	176	162	162	157	129	125	126
Mutton	R.	20	137	134	131	130	125	128	124	123	119	118
Pork: salt mess	W.	1	93	76	90	104	118	114	85	59	53	74
Pork: corned or salted	R.	7	160	151	145	157	163	153	148	128	124	128
Lard	W.	1	106	76	72	96	119	108	85	65	55	67
Lard	R.	9	126	116	112	121	130	128	111	100	97	107
Coal: anthracite, stove	W.	4	141	122	134	144	146	128	85	93	72	103
Coal: anthracite	R.	6	159	152	158	154	155	135	122	127	114	130
Coal: bituminous	W.	1	129	130	134	132	120	103	93	82	86	99
Coal: bituminous	R.	6	135	135	130	129	126	127	122	119	118	121

above the level of 1860, though wholesale prices are decidedly below it. And it again appears that the advance of 1880 over 1879 is much less marked in the case of retail prices. The 1st and 9th deciles further show that during most of the time the average variations of the relative retail prices of the 21 commodities in different towns were confined within a narrower range than the variations of the relative wholesale prices of the same commodities in central markets.

TABLE 23.

Relative prices of identical lists of commodities at wholesale and retail: by years, 1860-1880.

NOTE.—Constructed from the series shown in Table 22.

	1st deciles		Medians		9th deciles		Arithmetic means	
	Retail prices	Wholesale prices	Retail prices	Wholesale prices	Retail prices	Wholesale prices	Retail prices	Wholesale prices
1860	100	100	100	100	100	100	100	100
1861	93	82	104	95	123	109	107	94
1862	106	75	117	99	187	151	131	109
1863	120	89	143	120	237	222	168	148
1864	134	136	174	182	335	331	215	225
1865	156	163	198	198	324	332	219	224
1866	160	147	202	177	271	299	208	203
1867	166	144	182	173	219	222	193	177
1868	167	140	185	177	232	210	190	180
1869	155	142	172	171	205	193	177	172
1870	150	131	162	155	188	179	166	156
1871	137	108	153	143	186	172	155	144
1872	134	99	147	135	179	176	151	138
1873	130	95	143	148	179	169	148	143
1874	125	116	140	144	178	176	145	144
1875	120	117	140	133	163	161	140	134
1876	112	88	135	120	162	146	135	120
1877	109	85	130	123	164	150	134	117
1878	100	72	127	97	156	129	127	99
1879	97	69	120	90	145	125	123	93
1880	99	82	129	103	150	126	127	107

IV.—Relative Prices of Commodities at Retail and of Gold.

Chart V, facing p. 78, serves not only to present graphically the movements of retail prices as shown in Table 21, but also to afford the best attainable data for comparing the fluctuations in retail prices and in the premium on gold. Its similarity with Chart III obviates the necessity of special explanation of its meaning.

The differences between the movements of retail prices and of gold are similar in character to the differences between the movements of wholesale prices and of gold, but more pronounced in degree. Gold advanced more rapidly in price during the war than the majority of wholesale prices and fell more rapidly after January, 1865. Similarly, wholesale prices advanced more rapidly in the latter part of the war than retail prices, and then fell more rapidly. The result is that the average annual price of gold stands in 1864 higher than the 7th decile for retail prices, and then drops sharply to the neighborhood of the 1st decile, where it remains until resumption of specie payments.[7] These wide differences between the movements of retail prices and of gold are due to the fact that the influence of the fluctuations in the gold valuation of the paper money was communicated to retail prices at second hand. The more highly organized and more sensitive wholesale markets show the effects of this influence much more clearly—though even they were not ruled wholly by this factor. In their turn retail markets were affected by the alterations in wholesale prices—though they also show the effect of other factors. Thus the influence of fluctuations in the specie value of the currency appears in greatly modified form in the retail-price tables.[8]

V.—*Relative Prices of 35 Commodities at Retail in Eastern and Western States.*

The wide distribution of the towns from which Mr. Weeks collected his data for retail prices makes it possible to institute a comparison between the changes in the relative prices of the same articles in different sections of the northern states. The grouping of states into east and west used here is arranged in view of the fact that the wage-data of the *Aldrich Report*, analyzed in the next chapter, come almost wholly from towns east of Ohio. To put the retail-price tables into form for comparison with these wage-tables, averages of relative prices at retail have been computed first for the states of Massachusetts, Connecticut,

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[7] The reader may wish to turn again to the explanation of the term ''deciles,'' p. 19 above.

[8] See Chapter V; section iii, below.

New York, New Jersey, Pennsylvania, Maryland, and West Virginia; second for the states of Ohio, Indiana, Illinois, Iowa, Missouri, and Kentucky. The method followed in making up these two sets of averages and constructing tables from them is identical with the method described in the first section of this chapter, except that the series for house-rent has been admitted to the table.

The results, shown in Table 24, indicate that the advance in retail prices in 1861 was confined to the eastern states. In the west, as many articles fell as rose in price. In 1862, however, the rise of prices was somewhat more rapid in the west than in the east, and from 1863 to 1880 the level in the west was distinctly

TABLE 24.

Relative retail prices of identical lists of commodities in Eastern and Western States: by years, 1860-1880.

NOTE.—Compare the note on Table 21, and the explanation on pp. 77, 78.

Year		No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	E.	35	100	100	100	100	100	100	100	100	100	100	100
	W.	35	100	100	100	100	100	100	100	100	100	100	100
1861	E.	35	92	100	102	104	105	108	109	113	116	133	171
	W.	35	81	85	92	96	97	100	101	104	111	121	134
1862	E.	35	88	104	106	110	116	119	130	137	144	157	232
	W.	35	85	97	102	103	108	115	122	131	133	140	198
1863	E.	35	105	114	122	125	132	134	141	159	168	188	325
	W.	35	105	116	118	133	139	145	154	167	182	198	316
1864	E.	35	123	134	140	149	151	162	167	184	213	237	423
	W.	35	113	134	146	157	164	169	175	199	233	238	474
1865	E.	35	132	150	158	162	167	171	178	209	222	231	397
	W.	35	124	134	149	157	167	179	182	211	231	269	420
1866	E.	35	138	148	153	159	173	178	184	191	197	211	316
	W.	35	124	133	144	152	164	183	190	210	256	260	345
1867	E.	35	128	139	145	149	157	173	176	180	195	209	238
	W.	35	116	131	132	153	163	181	190	213	217	258	279
1868	E.	35	116	136	144	153	163	169	172	184	187	205	229
	W.	35	110	121	132	150	162	186	196	198	204	234	291
1869	E.	35	98	129	139	144	152	167	172	177	184	201	220
	W.	35	93	117	134	142	157	165	181	193	199	211	248

TABLE 24—(CONCLUDED).

Relative retail prices of identical lists of commodities in Eastern and Western States: by years, 1860-1880.

Year		No. of Series	Lowest rel. price	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1870	E.	35	93	124	131	136	144	155	160	165	176	183	202
	W.	35	85	117	134	142	151	159	170	175	196	211	228
1871	E.	35	69	118	120	125	130	138	143	157	162	171	186
	W.	35	69	119	129	137	140	148	167	173	181	188	224
1872	E.	35	64	112	114	124	129	134	139	149	160	170	182
	W.	35	69	119	125	136	139	149	164	172	175	185	220
1873	E.	35	59	107	113	121	127	137	143	151	167	175	180
	W.	35	69	110	126	130	132	142	155	163	168	176	208
1874	E.	35	50	108	115	122	125	134	137	151	160	169	178
	W.	35	69	110	123	126	132	139	146	161	166	182	191
1875	E.	35	44	109	114	116	126	132	134	141	154	164	171
	W.	35	69	110	121	123	130	135	143	150	161	173	186
1876	E.	35	42	100	106	117	121	131	131	134	142	157	167
	W.	35	69	107	117	124	127	130	136	149	156	172	190
1877	E.	35	44	100	104	116	119	123	127	134	141	147	176
	W.	35	69	96	109	115	120	130	133	148	156	173	196
1878	E.	35	34	98	99	104	114	121	125	127	132	139	180
	W.	35	62	93	109	112	118	126	130	146	150	159	180
1879	E.	35	33	92	98	104	109	112	121	127	130	134	155
	W.	35	45	93	104	110	114	126	130	138	142	154	190
1880	E.	35	32	79	98	108	111	120	121	129	134	139	155
	W.	35	45	93	104	110	114	120	132	137	142	162	194

higher. In 1869, 1876 and 1880 to be sure, the eastern median was slightly higher than or equal to the western median; but the other deciles show that the general level was higher in the west even in these years.

VI.—Relative Retail Prices of the Same Commodities in Different Towns.

Study of the differences in the price-fluctuations of the same commodity in different places can be carried further by examining Table IV of the appendix. There the relative prices of each of Weeks's 60 "necessaries of life" in all the towns from which satisfactory quotations were obtained, are published side-by-side. The differences between the relative prices are often very wide—particularly in the later years. In 1880, for example, there is a difference of 140 points between relative prices of hard wood in Reading, Pennsylvania and Cedar Rapids, Iowa. Other commodities show still wider ranges of variation—potatoes 150 points, rye flour 160 points, corn meal 161 points, eggs 225 points, and butter 350 points. These extreme variations in the relative prices of the same commodity in different towns are all wider than the variation in 1880 between the lowest and highest of the 34 series of average relative prices used in making Table 21 (132 points). But if the average of the extreme differences between the relative prices of the same commodities in different towns is taken, it is found to be much less—namely, 94.5 points.

This wide range of variation shows that it would be desirable to have the average relative prices for each article based on quotations from a larger number of towns; but it does not throw serious discredit on the accuracy of the quotations which we do possess. (1) Wide variations in relative prices at retail are to be expected in any large collection of data covering a considerable territory and extending over a number of years. For example, on looking over the retail-price data of the *Eighteenth Annual Report of the Commissioner of Labor* I find the relative price of eggs in 1903, computed on the basis of prices in 1897, varying from 99 in Montgomery, Alabama, to 183 in Detroit, Michigan. Wider variations are not necessarily disquieting in a table which covers a period three times as long, characterized by violent changes in the general price-level, and beginning at a time when local retail markets were less closely connected than now. (2) The wide variations between the relative prices of the same commodities in different towns in 1880, are due in part to the fact that the differences between actual retail prices were reduced between 1860 and 1880. In some cases a wide difference in relative prices in 1880 is due solely to the fact that a difference in actual prices existing in 1860 had been wiped out by 1880. This bringing of actual prices in different towns into closer harmony is probably due mainly to improvements in transportation and communication, and to centralization in the manufacturing and selling of many commodities, with its accompanying standardization of grades and closer control over prices. Table 25 has been arranged to show the importance of this factor. The extreme relative prices in different towns in 1880 have been entered for each of Weeks's 60 necessaries.[9] Then the differences between the actual

TABLE 25.

Extreme range of relative retail prices of 60 commodities shown by Table 4 of the Appendix in 1880, and differences of corresponding actual prices in 1860 and 1880.

NOTE.—See the explanations on pp. 80-82.

Serial No.	Commodities	Extreme rel. prices in 1880		Differences between actual prices in towns where extreme rel. prices occurred in 1880	
		Lowest	Highest	1860	1880
1	Beans	100	200	$ .05	$ .00
2	Beef—roasting pieces	80	156	.045	.025
3	rump steaks	91	140	.01	.04
4	soup pieces	100	200	.025	.005
5	Beef—corned	75	144	.01	.07
6	Board—Men	75	233	2.50	.50
7	Women	75	200	2.00	1.00
8	Boots	75	150	.00	3.00
9	Butter	67	417	.24	.05
10	Cheese	100	163	.10	.05
11	Coal—anthracite	100	170	3.50	1.75
12	Coal—bituminous	96	150	1.62	.75
13	Codfish	80	160	.05	.00
14	Coffee—green	80	188	.17	.05
15	roasted	83	200	.20	.05
16	Corn meal	52	213	3.37	.68
17	Cotton textiles—flannels	83	120	.0667	.025
18	prints	64	100	.035	.01
19	sheetings—bleached	50	120	.15	.005
20	sheetings—brown	63	135	.1225	.02
21	shirtings—bleached	67	150	.07	.02
22	shirtings—brown	72	167	.065	.01
23	tickings	77	156	.005	.18
24	Eggs	75	300	.15	.00
25	Flour—rye	90	250	3.00	.50
26	Flour—wheat—extra	84	220	2.25	1.50
27	wheat—superfine	93	200	4.50	1.00
28	Lard	71	160	.0283	.0687
29	Mackerel	63	200	.04	.03
30	Milk	100	167	.02	.00
31	Molasses—New Orleans	100	175	.20	.10
32	Porto Rico	100	171	.14	.045

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[9] When one of the extreme relative prices of an article occurs in two or more towns in 1880, I have arbitrarily taken as the basis for computation actual prices in the town which stands first in Weeks's tables.

TABLE 25—(CONCLUDED).

Extreme range of relative retail prices of 60 commodities shown by Table 4 of the Appendix in 1880, and differences of corresponding actual prices in 1860 and 1880.

	Commodities	Extreme rel. prices in 1880		Differences between actual prices in towns where extreme rel. prices occurred in 1880	
Serial No.		Lowest	Highest	1860	1880
33	Mousselines de laine	55	167	$ .18	$ .07
34	Mutton—chops	100	150	.08	.04
35	fore-quarters	80	140	.0529	.0125
36	leg	86	133	.02	.06
37	Oil—coal or carbon	11	57	.77	.08
38	Pork—fresh	89	200	.0475	.0133
39	shoulders	85	167	.07	.01
40	Pork—bacon	69	182	.125	.025
41	corned	72	182	.07	.01
42	hams	75	167	.125	.025
43	sausages	80	129	.0425	.00
44	Potatoes	100	250	.40	.10
45	Rent—4-room houses	60	240	5.00	6.00
46	6-room houses	75	200	3.00	9.00
47	Rice	100	167	.02	.02
48	Satinets	68	136	.515	.275
49	Syrup	94	133	.20	.05
50	Soap	70	175	.06	.00
51	Starch	80	160	.05	.00
52	Sugar—brown	88	150	.025	.015
53	yellow B	82	167	.05	.01
54	yellow C	90	143	.03	.01
55	Tea	67	167	.30	.10
56	Veal cutlets	100	143	.01	.05
57	fore-quarters	71	133	.01	.03
58	hind-quarters	89	156	.01	.045
59	Wood—hard	100	240	1.50	2.00
60	pine	100	178	1.00	4.50

Number of cases in which the difference between actual prices is:

Greater in 1860 than in 1880	46
Greater in 1880 than in 1860	13
The same in 1880 as in 1860	1
Whole number of cases	60

prices of each commodity in the towns where these extreme relative prices occurred in 1880 have been computed for both 1860 and 1880. The result is to show that in more than three-fourths of the cases the difference between actual prices was less at the latter date.

VII.—Relative Cost of Living.

The preceding tables are designed primarily to afford material for studying the influence of the paper standard on prices at retail. Accordingly they have been made like the tables of wholesale prices, without the use of weights. But when in the next chapter we begin to study the effects of the paper standard on the economic fortunes of wage-earners we shall need tables which show changes in the relative money cost of living. It is therefore desirable to construct a second set of retail-price tables in which each commodity for which we have data is weighted as nearly as possible in accordance with its relative importance as an item of cost in the family budget.

Weights for this purpose, readily applicable to the majority of our series, can be obtained from the detailed statistics of the expenditures of 2,567 families published in the *Eighteenth Annual Report of the Commissioner of Labor.* The average sums expended by these families for fresh beef, fresh pork, salt pork, eggs, milk, butter, cheese, lard, tea, coffee, sugar, rice, potatoes, and rent can be applied directly as weights to our corresponding series of relative prices at retail. Other items require the making of rough estimates and allowances. Mutton and veal are each given one-half the Bureau's weight for ''other meat''; corned beef one-half its weight for ''salt beef;'' wheat flour two-thirds and rye flour and corn meal each one-sixth its weight for ''flour and meal;'' molasses and syrup each one-half its weight for ''molasses;'' beans one-quarter its weight for ''other vegetables:'' anthracite and bituminous coal each two-fifths and wood one-fifth its weight for ''fuel''; coal oil one-half its weight for ''lighting.'' Soap and starch are arbitrarily assigned weights of 2 and 1 out of a total of 557. To get weights for textiles and boots is more difficult. I have had recourse to the table published in the *Aldrich Report,* Part 1, p. 84, showing the relative importance as items of expenditure of the various articles of clothing purchased by husbands, wives, and children of working-men's families, and have applied the relative figures there given to the less detailed absolute figures of the Labor Bureau's report, in order to obtain a new set of weights computed on the same basis as those for the other series. For the series "men's heavy boots" I took from the *Aldrich Report* only the expenditure of husbands on "boots and shoes"—omitting the expenditure of wives and children. For the textile series I took from the *Aldrich Report* the total of expenditures for husbands' "shirts," wives' "dresses, cloaks and shawls," children's "dresses, etc." and children's "shirts." This total I divided between the series for cotton textiles, mousselines de laine, and satinets in the proportions of seven-ninths, one-ninth, and one-ninth respectively. The weights thus allotted to each of the 35 series are shown in Table 26.

TABLE 26.

Weights allotted to the 35 series of relative retail prices used in making tables of relative cost of living.

NOTE.—Proportions of expenditure are based on the ratio 1,000 = $768.54, which is the average expenditure of 2,567 families for which the Bureau of Labor obtained detailed budgets. (18th Annual Report of the Commissioner of Labor, p. 496 ff.) For further explanations, see pp. 83, 84.

	Commodity	Actual expenditure $	Proportion of total expenditure Per mille.		Commodity	Actual expenditure $	Proportion of total expenditure Per mille.
1	Beef—fresh	50.05	64	25	Coal—anthracite	12.89	17
2	corned	2.63	3	26	bituminous	12.90	17
3	Pork—fresh	14.02	18	27	Wood	6.45	8
4	preserved	13.89	18				
5	Mutton	4.89	6		Total fuel	32.24	42
6	Veal	4.89	6				
7	Codfish	2.00	3	28	Oil	4.08	5
8	Mackerel	2.00	3				
9	Flour—wheat	11.17	15		Total lighting	4.08	5
10	rye	2.79	4				
11	Corn meal	2.80	4	29	Cotton textiles	14.84	19
12	Eggs	16.79	22	30	Mousselines de laine	2.12	3
13	Milk	21.32	28	31	Satinets	2.12	3
14	Butter	28.76	37	32	Boots	4.91	6
15	Cheese	2.62	3				
16	Lard	9.35	12		Total clothing	23.99	31
17	Tea	5.30	7				
18	Coffee	10.74	14	33	Rent	122.92	160
19	Sugar	15.76	21				
20	Molasses	.85	1	34	Soap	1.20	2
21	Syrup	.84	1	35	Starch	1.00	1
22	Rice	2.05	3				
23	Potatoes	12.93	17		Total sundries	2.20	3
24	Beans	4.71	6				
	Total food	243.15	316		Grand total	428.58	557

This table shows that the retail-price series, at the weights allotted each, cover about 56% of total family expenditures. The different classes of expenditure are represented with unlike degrees of completeness:—rent and fuel 100% of the total outlay for these purposes, food 74%, lighting 50%, clothing 21%, other classes 1.4%. On the basis of the Bureau's estimate of $768.54 as the average annual expenditure of 2,567 families, the items included in our table make $428.58, and the items omitted $339.96. The omitted items may be expressed as $84 for food, $91 for clothing, and $160 for a variety of goods—liquors and tobacco, furniture, insurance, sickness and death, labor unions and other organizations, amusements, religion and charity, etc.[10]

What has been shown regarding the materials at our disposition makes it clear that a high degree of accuracy cannot be claimed for tables of relative cost of living constructed from them. (1) The relative prices for our commodities are computed from retail price quotations from a small number of towns. This number ranges from as many as 22 in the case of boots to as few as 4 in the case of anthracite coal. (2) A considerable element of conjecture enters into the determination of some of the weights. (3) All the weights are drawn from budgets collected after 1900 and applied to prices prevailing in 1860 to 1880. (4) The material covers but 56% of the total cost of living. Acceptance of the results at their face value involves the assumption that the remaining 44% of the cost of living was subject to the same changes as our figures show for 56%. (5) The application of a constant set of weights to series of relative prices over a long period of

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[10] The Bureau's figures for 2,567 families, which I use because of their detailed character, do not show the average expenditure on each kind of goods noted for all families, but the average expenditure for those families which bought the goods. It matters little, however, which form of average is used. This conclusion is justified by the following comparison between the averages obtained by the Bureau in one way for 2,567 families with detailed budgets, and in the other way, for 11,156 "normal families."

	2,567 Families	11,156 "Normal" Families
Food	42.5%	43.1%
Rent	16.0	18.1
Fuel	4.2	4.6
Lighting	1.1	1.1
Clothing	14.9	13.0

See *Eighteenth Annual Report of the Commissioner of Labor*, 1903, pp. 510, 569.

years is theoretically objectionable, because changes in the comparative cost of different articles leads to more extended use of some and restricted use of others. These considerations show the impropriety of accepting the tables which follow as an accurate index of variations in the cost of living. But, despite their shortcomings, these tables deserve to be regarded as a closer approximation to such an index than either the unweighted tables of prices at retail, or weighted tables of prices at wholesale such as Falkner has constructed.

To show clearly the effects of weighting on the results obtained from the retail-price series, the simple and weighted deciles are presented side by side in Table 27. In general, the difference between the two sets of figures is that the weighted set shows less

TABLE 27.

Relative retail prices, simple and weighted: by years, 1860-1880.

NOTE.—The simple deciles are taken from Table 21. The weighted deciles are made from the same series, with the addition of one series for house-rent, by applying the weights shown in Table 26.

Date	Simple or weighted	No. of series	Lowest rel. price	1st decile	2nd decile	3rd decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1860	S	34	100	100	100	100	100	100	100	100	100	100	100
	W	35	100	100	100	100	100	100	100	100	100	100	100
1861	S	34	90	93	98	103	103	104	106	108	113	122	128
	W	35	90	93	98	98	98	103	104	108	110	122	128
1862	S	34	97	103	109	111	113	115	120	128	132	150	211
	W	35	97	104	104	104	110	112	113	115	128	132	211
1863	S	34	113	120	125	129	140	143	151	154	167	185	319
	W	35	113	114	114	117	127	129	129	144	154	167	319
1864	S	34	133	136	153	156	160	170	186	188	205	236	454
	W	35	130	130	130	133	154	156	170	174	188	205	454
1865	S	34	144	149	160	168	174	176	190	206	216	230	411
	W	35	135	135	135	144	167	168	173	182	210	218	411
1866	S	34	141	147	155	166	170	180	187	200	215	224	334
	W	35	138	138	138	143	163	170	170	188	214	219	334
1867	S	34	127	138	149	165	170	172	177	188	212	217	263
	W	35	127	134	134	134	166	168	171	174	210	214	263
1868	S	34	116	133	147	161	168	174	179	185	196	211	232
	W	35	116	139	139	139	158	161	172	179	190	223	232

TABLE 27—(CONCLUDED).

Relative retail prices, simple and weighted: by years, 1860-1880.

Date	Simple or weighted	No. of series	Lowest rel. price	1st decile	2nd decile	3rd decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. price
1869	S	34	98	133	146	156	162	164	172	179	187	203	209
	W	35	98	142	142	142	155	156	162	170	179	203	209
1870	S	34	91	128	140	150	155	157	162	169	176	194	203
	W	35	91	144	144	144	150	150	156	159	169	183	203
1871	S	34	69	121	131	137	144	146	152	157	164	175	194
	W	35	69	131	136	144	147	147	147	151	159	173	194
1872	S	34	66	116	131	136	139	144	149	153	163	170	193
	W	35	66	131	136	139	146	148	148	149	156	170	193
1873	S	34	61	112	126	131	134	137	147	151	159	167	187
	W	35	61	126	134	136	145	145	145	147	158	167	187
1874	S	34	55	111	123	127	131	136	144	147	157	162	181
	W	35	55	127	131	131	137	145	145	145	154	162	181
1875	S	34	51	109	122	125	127	134	139	145	150	159	169
	W	35	51	125	127	128	138	141	141	141	150	159	169
1876	S	34	49	107	116	124	127	129	135	141	148	156	165
	W	35	49	124	127	129	133	133	133	135	147	156	165
1877	S	34	50	102	111	116	122	127	131	139	147	152	171
	W	35	50	113	122	125	131	132	132	132	145	152	171
1878	S	34	41	96	104	115	121	122	128	131	139	143	165
	W	35	41	109	121	122	130	132	132	132	139	143	165
1879	S	34	36	95	103	113	118	118	121	127	136	145	162
	W	35	36	110	118	121	125	130	130	130	131	145	162
1880	S	34	35	95	102	114	116	118	127	131	135	144	167
	W	35	35	109	118	120	127	132	133	133	134	150	167

mobility, advancing less rapidly during the war and falling less rapidly after the war. As a result, the price level shown by the weighted deciles is lower from 1861 to 1870, and higher from 1871 to 1880. For a considerable part of both the earlier and later periods the differences between the two sets of figures are rather wide. The weighted medians are 5, 10, even 14 points lower during the war; then the differences become less, in 1871 they turn the other way, and gradually the weighted medians become 5, 10, 14 points higher than the simple.

These differences are due in large measure to the series for house rent. Excluded from the table of simple deciles, this series has the greatest weight of any in the weighted table (See Table 26). On turning back to Tables 20 and 21, the reader will see that this series advanced but slowly during the war, did not reach its maximum until 1872, and then declined more slowly than most of the other series, standing in 1880 higher than the 7th decile of Table 21. With its weight of 160 parts out of 557, the series for rent covers nearly three-tenths of the cost of living for which we have data, and is therefore able to determine the position of at least two and sometimes of three of the deciles in the weighted table. Up to 1870 it ranks relatively low, fixing the 1st and 2d, or 2d and 3d, or 1st, 2d and 3d deciles, and giving also the lowest relative price from 1864 to 1866. In 1871, it advances in relative rank, and from that year to 1879 it fixes the median together with the 4th and 6th deciles, or the median and the 6th, or the median, 6th and 7th. In 1880, it stands above the median and fixes the 6th and 7th deciles.

If, now, we compare the figures for cost of living with the figures for the price of gold we find the differences pointed out in section iv reappearing in still more accentuated form. The simple deciles for retail prices were found to rise more slowly than the premium, then fall more slowly and not so far.[11] The weighted deciles, taken as representative of the cost of living, have now been found to rise still more slowly than the simple deciles, not to reach so high a point,—to decline more slowly and not so far. The forces which produced the quick and violent oscillations of the premium thus appear to have exercised less influence on the cost of living than on the general level of retail prices. Their influence is indubitable; but the cost-of-living curve deviates more radically than the retail-price curve from the form of the gold-premium curve, primarily because the influence of these forces encountered the powerful opposition of the sluggish movements of house-rent.

Finally, I have made separate tables for the relative cost of living in Eastern and Western States, corresponding to the tables of relative retail prices in east and west presented in section v.

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[11] See p. 77, above.

The unweighted tables showed a higher level of retail prices in the West for all years after 1862. The new table shows substantially the same results for the years of the civil war, except that the difference between the eastern and western levels is in most cases somewhat wider. From 1866 on, however, the figures for cost of living in the two sections are in closer agreement than the unweighted figures for retail prices, and the western level instead of being uniformly higher, is lower than the eastern level in 1869 and 1873 to 1875. This change in the results of the comparison between east and west is primarily due to the influence of the series for house-rent. Table 29 which gives this series for east and west separately, shows that relative rents were higher in the east in 1861 and '62, higher in the west in 1863 to

TABLE 28.

Relative cost of living in Eastern and Western States: by years, 1860-1880.

NOTE.—Compare the notes upon Tables 27 and 24.

Year	East or West	No. of Series	Lowest Rel. Price	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Rel. Price
1860	E.	35	100	100	100	100	100	100	100	100	100	100	100
	W.	35	100	100	100	100	100	100	100	100	100	100	100
1861	E.	35	92	100	100	100	102	104	108	116	118	133	171
	W.	35	81	89	95	96	97	97	97	100	110	119	134
1862	E.	35	88	105	106	106	106	111	119	126	140	150	232
	W.	35	85	98	102	103	103	103	115	119	129	136	198
1863	E.	35	105	105	105	111	115	128	134	134	159	171	325
	W.	35	105	117	117	117	117	138	140	151	162	182	316
1864	E.	35	123	123	123	133	134	150	157	163	184	214	423
	W.	35	113	134	134	134	148	152	169	175	216	236	474
1865	E.	35	132	132	132	150	160	163	174	179	209	225	397
	W.	35	124	136	136	136	150	157	173	182	243	273	420
1866	E.	35	138	138	138	146	155	173	182	182	195	206	316
	W.	35	124	138	138	138	150	156	176	190	256	259	345
1867	E.	35	128	139	139	139	145	169	175	176	180	207	238
	W.	35	116	132	132	132	154	154	167	195	228	263	279
1868	E.	35	116	151	153	153	153	166	169	172	175	187	229
	W.	35	110	132	132	132	140	152	167	196	221	250	291
1869	E.	35	98	143	155	159	159	163	168	168	175	179	220
	W.	35	93	134	134	134	136	152	159	167	195	224	248
1870	E.	35	93	134	147	155	158	162	164	164	164	169	202
	W.	35	85	134	134	134	136	151	156	170	192	218	228

TABLE 28—(CONCLUDED).

Relative cost of living in Eastern and Western States: by years, 1860-1880.

Year	East or West	No. of Series	Lowest Rel. Price	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Rel. Price
1871	E.	35	69	125	131	143	143	153	158	164	164	164	186
	W.	35	69	125	132	140	140	140	145	167	179	186	224
1872	E.	35	64	120	129	134	143	147	160	166	166	166	182
	W.	35	69	125	132	137	139	139	142	167	175	185	220
1873	E.	35	59	123	129	142	142	147	162	167	167	167	180
	W.	35	69	126	126	132	134	134	134	161	167	176	208
1874	E.	35	50	122	130	134	137	143	160	160	160	165	178
	W.	35	69	122	125	133	136	136	136	150	162	182	191
1875	E.	35	44	116	130	132	134	141	154	159	159	159	171
	W.	35	69	121	121	125	132	132	132	148	161	180	186
1876	E.	35	42	117	131	131	133	134	142	142	142	147	167
	W.	35	69	117	124	125	129	129	129	142	156	179	190
1877	E.	35	44	116	119	125	131	134	139	139	139	143	176
	W.	35	69	110	116	121	129	129	129	134	157	180	196
1878	E.	35	34	104	118	125	126	127	132	139	139	139	180
	W.	35	62	110	113	118	129	129	129	133	156	161	180
1879	E.	35	33	103	112	121	127	128	130	130	130	134	155
	W.	35	45	110	112	117	130	130	130	133	140	158	190
1880	E.	35	32	107	116	121	125	131	135	137	137	137	155
	W.	35	45	109	114	120	130	132	132	133	142	164	194

TABLE 29.

Relative house rents in Eastern and Western States: by years, 1860-1880.

	East	West	East and West
1860	100	100	100
1861	100	97	98
1862	106	103	104
1863	105	117	114
1864	123	134	130
1865	132	136	135
1866	138	138	138
1867	139	132	134
1868	153	132	139
1869	159	134	142
1870	164	134	144
1871	164	140	147
1872	166	139	148
1873	167	134	145
1874	160	136	145
1875	159	132	141
1876	142	129	133
1877	139	129	132
1878	139	129	132
1879	130	130	130
1880	137	132	133

’65, the same in 1866, and higher in the east in 1867 to ’78. The higher relative rents in the east after the war offset in large measure the lower relative prices of the smaller items in the family budget, and so kept the eastern level of cost of living substantially as high as the western.

VIII.—Arithmetic Means of Relative Prices at Retail and Relative Cost of Living.

Table 30 gives the familiar form of average for the most important tables in this chapter. Arithmetic means are on the whole rather more satisfactory as representatives of the movement of retail prices than of wholesale prices, because the series from which they are computed show fewer and less extreme instances of very high relative prices. Nevertheless the arithmetic means stand above the medians more often than they stand below them —particularly during the civil war. And, as has been remarked several times, they do not give so correct an impression of the character of the fluctuations in prices as do the tables of deciles.

TABLE 30.

Arithmetic means of relative retail prices, simple and weighted, in Eastern and Western States: by years, 1860-1880.

NOTE.—The arithmetic means for the east and west separately are computed from the data used in making Tables 24 (simple) and 28 (weighted). Similarly, the arithmetic means for the east and west together are computed from the data used in making Tables 21 (simple) and 27 (weighted). For further explanations, see the notes upon these tables.

Year		East	West	East and West
1860	Simple	100	100	100
	Weighted	100	100	100
1861	Simple	112	102	106
	Weighted	111	100	104
1862	Simple	129	119	123
	Weighted	123	115	117
1863	Simple	149	154	151
	Weighted	137	143	140
1864	Simple	179	188	184
	Weighted	163	177	170
1865	Simple	189	192	192
	Weighted	175	182	179
1866	Simple	181	192	187
	Weighted	172	182	177
1867	Simple	172	184	178
	Weighted	164	175	169
1868	Simple	169	179	174
	Weighted	165	173	168
1869	Simple	162	169	165
	Weighted	163	162	161
1870	Simple	152	162	157
	Weighted	157	158	156
1871	Simple	140	154	146
	Weighted	148	152	149
1872	Simple	136	151	143
	Weighted	147	151	148
1873	Simple	137	145	140
	Weighted	149	145	145
1874	Simple	135	142	137
	Weighted	145	143	142
1875	Simple	130	138	133
	Weighted	141	139	138
1876	Simple	125	135	130
	Weighted	134	137	134
1877	Simple	122	132	127
	Weighted	131	135	132
1878	Simple	116	127	121
	Weighted	126	131	128
1879	Simple	114	123	118
	Weighted	123	130	126
1880	Simple	115	124	119
	Weighted	125	132	128

CHAPTER IV.

RELATIVE WAGES.

For the study of wages during the years of the paper standard we have two large collections of data—one made in 1892 by the Bureau of Labor for the Senate committee which prepared the *Aldrich Report*, the other made in 1880 to 1882 by Mr. Joseph D. Weeks for the *Tenth Census*. The first collection is more detailed in that it shows the number and sex of the wage-earners and reports wages in January and July of each year; the second is more extensive in that it covers more industries, more establishments, and more states. The original data of the first collection were worked up under the direction of Professor Roland P. Falkner into the now celebrated tables of relative wages published in Part I of the *Aldrich Report*; but the methods used in constructing these tables were so faulty that I have thought it necessary to do the whole work over again. The data of the second collection were published in tabular form by Mr. Weeks in volume 20 of the *Tenth Census* without any attempt at analysis or generalization. Both collections are used in the present chapter; but the differences in form make it necessary to keep the two sets separate. However, a comparison between the general results which they yield is made in Section iii.

I.—Tables of Relative Wages Based on Data from the Aldrich Report.

a.—Scope of the Data.

The series of relative wages computed from data in the "exhibits" of the *Aldrich Report* are published at length in Table V of the appendix. In order to show succinctly the compass and character of this material, Table 31 is presented here. The titles of the industries are given as in the source. The "establishments" show the number of different factories, contracting firms, shops, business or municipal corporations which furnished the

TABLE 31.

Conspectus of the data regarding wages obtained from the exhibits of the Aldrich Report.

NOTE.—See the explanations on p. 92.

Industries	No. of establishments	No. of Wage-series	Average No. of Wage-earners
Agricultural implements	1	5	21
Ale, beer, and porter	1	5	43
Books and newspapers	3	17	120
Building trades	21	42	436
Carriages and wagons	1	4	22
City public works	4	22	953
Cotton textiles	3	105	715
Dry goods	1	3	10
Ginghams	1	30	707
Groceries	1	2	4
Illuminating gas	4	22	394
Leather	2	16	61
Lumber	2	5	34
Metals and metallic goods	19	138	1,094
Paper	1	7	33
Railways	1	11	269
Sidewalks	1	4	17
Spices	1	4	19
Stone	6	19	488
White lead	1	4	10
Woolen textiles	3	62	283
All industries	78	527	5,733

States in which establishments were located	No. of establishments	No. of Wage-series
New Hampshire	4	14
Massachusetts	21	222
Rhode Island	1	32
Connecticut	9	63
New York	25	122
New Jersey	2	5
Pennsylvania	11	42
Maryland	4	20
Ohio	1	7
All States	78	527

wage-records. "Series" means a set of wage-quotations covering the years 1860 to 1880 and showing the pay received by persons of one sex, employed at one kind of work in one establishment. The "average number of wage-earners" in each industry is the average number of persons reported as receiving the wages specified in January and July of the years 1860 to 1880.

It will be noticed that the material is confined mainly to wages for manual labor in manufacturing establishments. There are a few series for extractive industries—lumbermen and quarrymen—a few for railway employees, and a few for salesmen—under dry goods and groceries. There are also 22 series for employees of "city public works," but these series represent manual workers of sorts which contractors might employ. Agricultural laborers are not represented at all.

b.—Methods of Compiling Tables of Relative Wages.

The series taken from the "exhibits" of the *Aldrich Report* were copied on separate cards which had spaces for entering the page from which the data were obtained, the serial number by which the establishment was designated, the state in which it was situated, the industry to which it belonged, the occupation and sex of the employees, and vertical columns for dates, rates of wages, number of employees, and relative wages computed on the basis of actual wages in 1860. These cards were classified successively according to industries, occupations, and initial wages, and a distinct set of tables showing medians and deciles was made for each classification. In all classifications male and female employees were segregated. To determine the position of the deciles for any group, all the series belonging to it were listed in the order of their relative wages on tally-sheets—one for each date—ruled into columns for relative wages, number of series, number of employees, and cumulative sums. The cumulative sums showed the whole number of employees having on the date for which the tally-sheet was made, relative wages equal to and less than the relative wage opposite which they stood. When these cumulative sums had been cast and found correct, the whole number of employees belonging to the group on the date in question was divided into tenths, and the dividing points between successive tenths were marked in the column of cumulative sums. The corresponding relative wages were the deciles. The whole process can be readily followed by examining the subjoined specimen tally-sheet, which shows the distribution of the whole body of wage-earners according to their relative wages on the date when relative wages were highest.[1] An effective check on the accuracy of the work was obtained by constructing total tally-sheets for all series from the groups resulting from classification by industries and initial wages, and comparing these total tally-sheets with each other point by point.

When arithmetic means of relative wages were computed for any group the work was based on the tally-sheets. Each relative wage was multiplied by the corresponding number of employees, and the sum of the products divided by the whole number of the employees.

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[1] In practice it is convenient to use narrow strips for tally-sheets, and to make them long enough to include in single column all points in the scale of relative wages from lowest to highest. This arrangement facilitates comparison, and the combination of tally-sheets in forming larger groups.

It will be noted that in making the tally-sheets each series was entered as having the number of wage-earners reported for the date which the tally-sheet represented. In many of the series the number of employees varied widely from date to date. It would have been easier to compute the average number of employees represented by each series and to use this number, instead of the varying actual numbers, in making the tally-sheets

TABLE 32.

Specimen of the tally-sheets used in finding the deciles of relative rates of wages from the data obtained from the exhibits of the Aldrich Report.

NOTE.—See the explanations on p. 94.

All industries—both sexes—July, 1872.

Rel. wages	No. of series	No. of emply's	Cumulative sums	Deciles	Rel. wages	No. of series	No. of emply's	Cumulative sums	Deciles
80	1	2	2		130	4	67	450	
2	1	17	19		2	2	12	462	
3	1	10	29		3	10	22	484	
6	1	1	30		4	1	60	544	
91	1	1	31		6	6	14	558	
7	1	3	34		7	5	31	589	
100	3	11	45		8	5	18	607	
3	1	3	48		9	2	31	638	
4	2	7	55		140	3	33	671	
5	3	16	71		1	3	12	683	
6	1	4	75		2	1	13	696	
9	1	2	77		3	9	45	741	
110	2	12	89		4	1	12	753	
1	3	12	101		5	6	16	769	1st d.
2	1	2	103		6	2	5	774	
3	1	2	105		7	1	19	793	
5	2	10	115		8	4	57	850	
6	1	4	119		9	3	66	916	
7	8	69	188		150	20	86	1002	
8	1	4	192		1	5	39	1041	
9	3	10	202		2	1	7	1048	
120	10	58	260		3	4	103	1151	
1	3	14	274		4	2	12	1163	
2	2	11	285		5	5	93	1256	
3	2	18	303		6	5	99	1355	
5	7	12	315		7	8	133	1488	
7	6	33	348		8	8	59	1547	2d d.
8	3	26	374		9	4	22	1569	
9	2	9	383		160	7	22	1591	

TABLE 32—(CONCLUDED).

Specimen of the tally-sheets used in finding the deciles of relative rates of wages from the data obtained from the exhibits of the Aldrich Report.

All industries—both sexes—July, 1872.

Rel. wages	No. of series	No. of emply's	Cumulative sums	Deciles
161	3	12	1603	
2	6	85	1688	
3	5	78	1766	
4	11	91	1857	
5	7	33	1890	
6	5	48	1938	
7	10	138	2076	
8	3	49	2125	
9	9	50	2175	
170	4	49	2224	
1	9	90	2314	3d d.
2	6	48	2362	
3	5	67	2429	
4	6	33	2462	
5	10	267	2729	
6	4	53	2782	
7	7	117	2899	
8	3	6	2905	
9	3	221	3126	4th d.
180	9	220	3346	
1	4	18	3364	
2	4	8	3372	
3	7	58	3430	
4	2	47	3477	
5	6	24	3501	
6	5	52	3553	
7	3	26	3579	
8	4	46	3625	
9	1	114	3739	
190	4	34	3773	
1	1	4	3777	
2	4	52	3829	
3	1	10	3839	
4	2	6	3845	Median
5	3	30	3875	
6	4	304	4179	
7	2	114	4293	
8	2	152	4445	
200	31	1121	5566	6th & 7th d
1	2	289	5855	
2	3	55	5910	
3	4	59	5969	
4	5	358	6327	8th d.
5	2	5	6332	
6	1	1	6333	
7	2	419	6752	
8	1	3	6755	
9	2	46	6801	
210	2	3	6804	
2	3	125	6929	9th d.
3	1	152	7081	
4	2	4	7085	
215	2	18	7103	
7	3	5	7108	
9	1	11	7119	
220	1	2	7121	
2	4	12	7133	
3	3	77	7210	
5	4	42	7252	
6	1	5	7257	
7	1	9	7266	
8	2	6	7272	
9	2	85	7357	
233	2	31	7388	
6	1	18	7406	
245	1	3	7409	
7	1	8	7417	
8	1	36	7453	
250	3	4	7457	
1	1	23	7480	
7	2	2	7482	
8	1	2	7484	
9	1	87	7571	
263	1	2	7573	
6	1	1	7574	
270	1	1	7575	
280	1	10	7585	
6	1	1	7586	
9	1	4	7590	
295	1	32	7622	
8	1	50	7672	
300	1	3	7675	
7	1	7	7682	
No. employees	23			
Total	527	7682		

Tenths of no. of employees

.1— 768.2
.2—1536.4
.3—2304.6
.4—3072.8
.5—3841.0
.6—4609.2
.7—5377.4
.8—6145.6
.9—6913.8
1.0—7682.0

Results

80—lowest
145—1st
158—2d
171—3d
179—4th
194—median
200—6th
200—7th
204—8th
212—9th
307—highest

for all dates. But this course would have made the tables represent the relative wages of an artificially stable body of wage-earners whose constitution did not change from 1860 to 1880. I have preferred to regard the changes which the series report in the numbers of men employed in different industries, establishments, and occupations, as themselves significant facts which ought to be allowed to exercise on the results whatever influence they possess. To keep these changes constantly before the mind, I have introduced into all the tables based on the Aldrich data a column showing the numbers employed at each date. Practically, however, it seems to make little difference which method of weighting is adopted. Arithmetic means of relative wages for 1860 to 1866 computed in both ways from the Aldrich data, show a maximum difference of only 4 points on advances of 50 to 60 points.[2] Average weights give the higher results, apparently because employers economize the use of labor which has increased much in price and use somewhat more of labor which has increased little. In determining which method to choose, or which set of results to trust when both methods are used, the question to be answered is: Are the facts more closely approximated by assuming that no changes have occurred in the relative numbers of persons employed in different occupations, establishments, and industries; or by assuming that the changes which did occur in the cases recorded by the available data were fairly representative of the broader changes which affected the whole body of wage-earners?

c.—Relative Wages of All Employees and of Males and Females.

The result of the application of these methods to the Aldrich data are presented in their most general form by Table 33. The "number of series" noted in the third column is the number of series which show at least one person employed on the date in question. This number is never equal to the whole number of series (527), because at every date several series show no employees at work. The number of employees is large in 1860 and '61, falls off early in the war to a minimum of 4,009 in January,

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[2] *History of the Greenbacks*, p. 310.

TABLE 33.

Relative rates of wages of all employees and of males and females, in January and July: 1860-1880.

Data obtained from the exhibits of the Aldrich Report.

NOTE.—For method of construction, see pp. 94-97, and Table 32. For interpretation, see p. 101. Also compare corresponding tables of relative prices at wholesale and retail (Tables 4 and 21) and notes upon them.

Date	Sex	No. of series	No. of persons	Lowest	1st dec.	2d dec.	3d dec.	4th dec.	Median	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1860														
Jan.	M & F	499	5638	100	100	100	100	100	100	100	100	100	100	100
	M	450	4985	100	100	100	100	100	100	100	100	100	100	100
	F	49	653	100	100	100	100	100	100	100	100	100	100	100
1860														
July	M & F	496	6438	41	98	100	100	100	100	100	100	100	102	140
	M	449	5817	41	98	100	100	100	100	100	100	100	101	140
	F	47	621	89	97	97	100	100	100	100	103	105	105	119
1861														
Jan.	M & F	483	5595	70	98	99	100	100	100	100	100	102	108	149
	M	439	4985	71	99	100	100	100	100	100	100	101	108	149
	F	44	610	70	86	97	99	100	100	103	107	107	110	136
1861														
July	M & F	493	5375	60	90	90	92	97	99	100	100	104	111	170
	M	444	4790	71	90	90	90	97	98	100	100	102	110	170
	F	49	585	60	90	95	100	100	105	111	111	120	121	134
1862														
Jan.	M & F	494	4565	60	96	99	100	100	100	100	101	107	114	200
	M	445	3993	74	96	99	100	100	100	100	100	106	113	200
	F	49	572	60	80	96	100	101	101	102	112	120	121	152
1862														
July	M & F	500	4833	60	91	97	100	100	100	102	105	112	117	200
	M	452	4321	74	91	97	100	100	100	100	104	110	115	200
	F	48	512	60	80	100	102	103	105	114	114	121	121	152
1863														
Jan.	M & F	495	4009	54	99	100	104	108	114	119	125	125	136	240
	M	447	3557	62	99	100	105	110	115	122	125	125	140	240
	F	48	452	54	98	100	104	105	107	107	111	121	123	160
1863														
July	M & F	485	4709	42	100	105	110	113	115	121	125	125	141	240
	M	441	4261	42	100	105	111	114	116	125	125	125	141	240
	F	44	448	55	100	100	105	106	106	107	116	119	127	152
1864														
Jan.	M & F	492	4883	73	101	111	117	121	129	136	145	150	152	280
	M	448	4342	73	106	113	120	125	133	140	150	150	156	280
	F	44	541	93	100	100	101	101	105	114	121	127	130	162
1864														
July	M & F	515	5375	68	109	119	126	132	139	147	154	169	180	280
	M	466	4718	68	112	125	130	135	141	150	160	173	180	280
	F	49	657	90	101	107	109	109	117	122	128	136	141	164

TABLE 33—(CONTINUED).

Relative rates of wages of all employees and of males and females, in January and July: 1860-1880.

Date	Sex	No. of series	No. of persons	Lowest	1st dec.	2d dec.	3d dec.	4th dec.	Median	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1865														
Jan.	M & F	512	4756	63	118	128	135	143	150	159	169	180	190	320
	M	464	4128	63	121	132	141	150	155	162	171	182	190	320
	F	48	628	82	107	110	118	128	133	134	134	140	143	202
1865														
July	M & F	511	5005	67	126	134	143	148	152	159	168	175	190	320
	M	463	4259	67	130	137	144	150	155	163	169	180	190	320
	F	48	746	98	117	127	130	132	147	151	151	156	168	202
1866														
Jan.	M & F	513	5228	77	130	141	149	154	165	173	176	183	190	280
	M	464	4321	77	131	141	149	156	167	174	177	184	190	280
	F	49	907	90	119	134	144	153	165	165	165	175	186	222
1866														
July	M & F	509	5576	73	134	146	152	157	163	173	178	185	190	280
	M	462	4716	73	136	147	152	156	160	172	177	185	190	280
	F	47	860	100	125	136	148	160	170	178	178	186	198	202
1867														
Jan.	M & F	504	5614	63	138	148	153	164	175	178	182	184	200	303
	M	456	4718	63	139	148	153	165	175	177	182	182	200	303
	F	48	896	87	126	144	148	163	173	182	188	188	192	242
1867														
July	M & F	507	5406	74	138	149	156	161	166	175	181	188	200	280
	M	458	4537	74	140	149	155	160	163	172	180	188	200	280
	F	49	869	80	130	138	161	167	175	182	182	189	194	250
1868														
Jan.	M & F	499	4928	73	134	148	154	165	168	175	179	184	200	280
	M	450	4100	73	137	148	153	164	168	175	180	184	200	280
	F	49	828	80	130	142	158	167	169	176	176	188	192	250
1868														
July	M & F	506	5411	80	138	149	156	165	172	175	182	188	200	280
	M	457	4527	80	140	149	156	165	171	177	184	190	201	280
	F	49	884	80	131	144	159	167	172	172	177	186	193	250
1869														
Jan.	M & F	505	6085	63	140	151	160	170	176	184	200	200	205	280
	M	456	5201	63	140	151	160	171	180	188	200	204	205	280
	F	49	884	80	131	141	160	167	175	175	179	185	193	250
1869														
July	M & F	509	6888	63	140	153	163	174	179	185	200	205	212	325
	M	460	5987	63	142	154	164	175	180	192	200	205	212	325
	F	49	901	80	134	141	158	168	178	178	181	202	208	270
1870														
Jan.	M & F	510	6790	77	140	153	164	173	180	188	208	213	220	325
	M	461	5887	79	140	154	165	174	182	191	208	219	220	325
	F	49	903	77	130	142	152	164	172	179	184	191	208	270
1870														
July	M & F	514	7009	75	138	152	163	174	179	186	203	209	220	325
	M	466	6120	75	140	153	163	174	180	186	204	212	220	325
	F	48	889	77	132	138	160	173	179	179	184	193	205	270

TABLE 33—(Continued).

Relative rates of wages of all employees and of males and females, in January and July: 1860-1880.

Date	Sex	No. of series	No. of persons	Lowest	1st dec.	2d dec.	3d dec.	4th dec.	Median	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1871														
Jan.	M & F	508	6669	71	140	156	167	176	185	196	200	212	220	325
	M	460	5728	71	142	157	167	175	180	195	198	212	220	325
	F	48	941	78	133	151	169	184	191	200	205	223	227	270
1871														
July	M & F	507	7710	78	144	159	171	179	192	198	200	207	212	301
	M	459	6737	79	144	159	171	179	189	196	200	204	212	301
	F	48	973	78	134	159	170	179	196	196	203	225	251	270
1872														
Jan.	M & F	501	6222	73	136	154	164	172	177	193	200	200	217	307
	M	453	5271	73	139	154	163	172	175	183	197	200	205	307
	F	48	951	80	134	150	174	186	202	215	217	221	233	289
1872														
July	M & F	504	7682	80	145	158	171	179	194	200	200	204	212	307
	M	456	6707	86	148	159	171	179	190	200	200	203	207	307
	F	48	975	80	134	150	174	187	197	209	213	223	233	289
1873														
Jan.	M & F	503	6342	80	138	155	163	173	180	187	200	200	212	304
	M	455	5438	86	137	155	162	171	179	184	198	200	204	304
	F	48	904	80	147	150	175	186	195	207	207	215	241	296
1873														
July	M & F	509	6918	74	140	157	167	175	187	195	200	204	215	304
	M	460	6013	74	139	157	166	175	186	195	200	204	213	304
	F	49	905	80	146	150	176	193	194	215	222	222	232	273
1874														
Jan.	M & F	503	6201	51	137	150	159	168	179	186	195	200	211	300
	M	455	5313	51	140	150	158	168	177	183	195	200	204	300
	F	48	888	57	127	147	161	174	192	195	195	210	221	227
1874														
July	M & F	503	6133	51	140	151	163	170	175	184	189	200	204	336
	M	455	5238	51	140	152	163	170	173	180	189	200	204	336
	F	48	895	64	139	147	153	176	191	202	204	205	218	252
1875														
Jan.	M & F	496	5315	57	130	144	150	160	165	172	180	199	200	297
	M	449	4426	63	130	144	150	160	163	172	176	200	200	297
	F	47	889	57	131	144	150	162	175	180	181	191	200	252
1875														
July	M & F	500	5655	57	130	144	149	155	161	166	175	183	200	329
	M	453	4726	63	130	143	146	155	160	164	174	180	200	329
	F	47	929	57	131	148	153	161	174	182	183	188	205	252
1876														
Jan.	M & F	490	4997	57	125	139	145	150	160	169	178	189	200	403
	M	443	4098	63	125	138	144	150	157	166	177	195	200	403
	F	47	899	57	131	146	150	168	175	179	180	189	189	252
1876														
July	M & F	499	5838	57	120	129	139	144	151	157	167	175	195	286
	M	452	4847	63	120	126	137	140	149	155	160	175	200	286
	F	47	991	57	133	144	156	166	168	168	174	178	182	252

TABLE 33—(CONCLUDED).

Relative rates of wages of all employees and of males and females, in January and July: 1860-1880.

Date	Sex	No. of series	No. of persons	Lowest	1st dec.	2d dec.	3d dec.	4th dec.	Median	6th dec.	7th dec.	8th dec.	9th dec.	Highest
1877 Jan.	M & F	492	5319	56	115	125	133	143	146	152	160	164	176	270
	M	446	4376	72	115	124	130	140	145	150	157	160	178	270
	F	46	943	56	130	144	155	156	156	164	170	171	171	252
1877 July	M & F	501	5641	56	115	124	130	136	142	147	156	163	174	267
	M	454	4667	63	114	121	125	132	139	144	147	158	172	267
	F	47	974	56	132	146	156	163	163	164	168	171	180	252
1878 Jan.	M & F	495	5021	57	114	125	129	137	143	152	159	168	176	267
	M	448	4039	57	113	123	127	135	140	145	153	159	175	267
	F	47	982	57	131	144	159	164	168	169	171	171	183	252
1878 July	M & F	497	5604	57	113	123	126	131	140	148	155	167	175	283
	M	450	4576	57	111	120	125	131	134	142	148	157	169	283
	F	47	1028	57	131	144	153	164	167	169	175	179	186	252
1879 Jan.	M & F	500	5201	47	110	122	125	131	140	144	153	165	176	261
	M	452	4167	73	108	119	124	127	134	142	144	155	175	260
	F	48	1034	47	128	138	153	165	165	169	171	177	184	261
1879 July	M & F	503	5972	47	108	120	125	128	135	142	150	160	175	269
	M	455	4906	73	104	117	122	125	130	137	142	150	167	254
	F	48	1066	47	132	144	152	158	160	168	171	179	187	269
1880 Jan.	M & F	506	5636	52	115	122	125	130	137	143	155	164	177	254
	M	457	4579	75	114	121	124	128	133	140	144	156	168	254
	F	49	1057	52	132	149	155	164	164	170	175	179	201	252
1880 July	M & F	507	6628	57	115	125	130	134	140	150	155	163	177	311
	M	458	5551	70	115	123	128	134	136	141	150	157	168	254
	F	49	1077	57	132	151	155	163	163	173	174	181	208	311

1863, rises unsteadily to a maximum of 7,710 in July, 1871, declines again during the years of depression to 4,997 in January, 1876, rises hesitatingly until January, 1880, and finally increases largely in July. In most years it is considerably smaller in January than in July.

The deciles are to be interpreted in this fashion: Of the 4,009 persons whose relative wages are reported in January, 1863, one-tenth were receiving wages ranging between 54 and 99 per cent. of the wages received by the persons employed by the same establishments to do the same kind of work in January, 1860;

a second tenth were receiving wages equal to 99 or 100 per cent. of the wages received by the persons employed by the same establishments to do the same kind of work in January, 1860; etc. The identity of the seventh and eighth deciles at 125 means that more than one-tenth of the wage-earners were receiving wages just a quarter higher than had been paid to the people who were doing the same kind of work in the same establishments in January, 1860. The constant factors in the table are (1) the use of the same set of reports from the same establishments for all the different dates, and (2) the comparison of wages at every subsequent date with wages in January, 1860. The variable factors are the numbers employed and the relative wages received at different dates.

The table shows that a wide diversity existed in relative wages at every date after 1861. At every date save one, some one was receiving wages less than had been paid by the same establishment for the same kind of work in 1860; and at every date some one was receiving twice, often three times or more, as much as had been paid in 1860. These extreme cases represent but a small part of the body of wage-earners; but even if we take the four-fifths of wage-earners whose rates of pay fall between the first and ninth deciles we find a wide though varying range. On the whole there is no great degree of concentration at any point of the field, though there is usually some increase in density as the median is approached. Round numbers, representing common fractions or multiples of initial wages (such as 125, and 200), evidently exercise a certain influence. The average distribution of the whole body of wage-earners over the field for the whole period is shown in Table 34.

Though these differences between the relative wages of different persons at the same date are so striking, they are consistent with a strongly marked trend of wage-fluctuations, for the differences are fairly constant from date to date. In other words, though the deciles are usually separated by intervals of several points, they generally rise and fall together, maintaining much the same general relations. Thus the table shows an almost universal rise of wages during the war—though a rise far from equal to the advance of wholesale or retail prices. After the war the

TABLE 34.

Average distribution of all employees, and of males and females, over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 33. Compare the corresponding table for relative prices at wholesale (Table 5) and the note upon it.

Average number of points in the scale of relative wages between	Both Sexes	Males	Females
Lowest relative wages and 1st deciles	58.0	53.9	50.4
1st and 2d deciles	10.2	9.5	11.2
2d and 3d deciles	6.5	6.2	10.5
3d and 4th deciles	6.2	6.5	8.0
4th deciles and Medians	6.2	5.3	6.1
Medians and 6th deciles	6.3	6.5	5.1
6th and 7th deciles	7.0	6.3	3.2
7th and 8th deciles	6.4	6.8	6.9
8th and 9th deciles	9.7	9.3	8.5
9th deciles and highest relative wages	95.1	94.6	47.0
Lowest and highest relative wages	211.6	204.9	156.9

general trend continued to be upward, while prices were falling, with the result that the median for wages rose above the median for wholesale prices in January, 1867, and above the median for retail prices in 1869. During the early '70's several of the deciles and particularly the medians indicated marked differences between summer and winter rates. The highest point was reached in July, 1872, and during this period the medians for wages were high above the medians for prices at wholesale or retail, though the upper price-deciles overlapped the lower wage-deciles and generally the median itself. After the crisis of 1873, the prices of labor fell like the prices of commodities, and touched their lowest point in July, 1879. But even then the median stood at 135, while the median of wholesale prices stood at 85 and the median of retail prices at 118. Finally, wages rose again under the stimulus of reviving trade in 1880.

Table 33 also provides material for a comparison between the relative wages of men and women. The columns for numbers of series and of employees show that the data for males are much more abundant. In the majority of the 21 industries, indeed, no female employees are reported; it is only in the textile industries that their numbers are important. A more accurate comparison can therefore be made on the basis of deciles for the separate industries. For the present it is sufficient to notice that from 1863 to 1865 men had their rates of pay increased decidedly faster. From 1865 to 1870 the relations are irregular; sometimes men, sometimes women are in the lead; sometimes the differences are small, sometimes large. But after 1870 women uniformly have higher relative wages.

d.—Relative Wages in Various Industries.

Reference to Table 31 shows that 12 of the 21 industries of the *Aldrich Report* are represented by data too scanty to afford averages which inspire confidence. In making the tables for industries, accordingly, these 12 were put together under the caption ''other industries'' and separate results prepared only for the remaining 9, which have 451 of the 527 series and 5,339 of the average number of employees (5,733). From these 9 industries the 5 which are most fully represented, *viz.*, cotton textiles (including ginghams), woolen textiles, metals and metallic goods, building trades, and city public works, were selected for a table of deciles; but arithmetic means were prepared also for stone, railways, and gas.

The deciles for these five industries (Table 35) show that the diversity in relative wages of different persons at the same dates is scarcely less marked or less constant in the separate industries than in the totals for all industries. The distribution of the wage-earners over the field of fluctuation of relative wages is shown in Table 36. The fact that two or more of the deciles for an industry are frequently identical is due mainly to the fact that the series for an important occupation in a large establishment often represents more than a tenth of the whole number of employees in the industry as shown by the data.

This table makes it possible to examine more closely the erratic seasonal movements so noticeable in the medians for all industries from 1871-73. These movements are less marked in the industries singly than in the totals for all industries. City public works shows no trace of them; building trades has the same median in January and July of both 1872 and 1873; metals shows slightly higher July medians; woolen textiles is in the same case except for 1872, while cotton textiles exhibits considerable differences—

TABLE 35.

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.
Data obtained from the exhibits of the Aldrich Report.

NOTE.—Constructed in the same fashion as Table 33. See notes upon the latter.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1860 Jan.	Five industries		375	4355	100	100	100	100	100	100	100	100	100	100	100
1860 July	Cotton[1]	M & F	134	1183	89	97	98	100	100	100	100	100	102	105	119
	Cotton	F	32	561	92	97	97	100	100	100	100	103	105	105	119
	Cotton	M	102	622	89	98	99	100	100	100	100	100	100	102	112
	Woolen	M & F	58	180	75	94	98	100	100	100	100	103	104	120	137
	Woolen	F	10	32	89	92	100	100	100	100	103	103	115	119	119
	Woolen	M	48	148	75	94	98	100	100	100	100	102	104	120	137
	Metals	M	125	857	74	98	99	100	100	100	100	101	102	104	128
	Building	M	39	391	79	93	100	100	100	100	100	100	101	116	137
	City	M	21	2466	93	100	100	100	100	100	100	100	100	100	140
1861 Jan.	Cotton[1]	M & F	135	1156	70	86	97	99	100	100	100	103	107	110	130
	Cotton	F	32	541	70	86	99	99	100	100	104	107	107	110	130
	Cotton	M	103	615	71	87	92	98	100	100	100	100	102	105	121
	Woolen	M & F	55	162	75	100	100	100	100	101	102	107	109	125	136
	Woolen	F	7	25	100	100	100	100	104	104	104	104	114	136	136
	Woolen	M	48	137	75	100	100	100	100	101	101	107	109	125	135
	Metals	M	115	762	86	99	100	100	100	100	101	102	105	108	126
	Building	M	38	234	79	91	98	100	100	100	100	101	105	112	147
	City	M	22	2076	88	100	100	100	100	100	100	100	100	100	140

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1861 July	Cotton[1]	M & F	135	1084	70	86	95	99	100	103	104	106	111	120	134
	Cotton	F	32	501	70	87	95	100	103	106	111	111	120	121	134
	Cotton	M	103	583	71	86	92	99	100	100	103	104	104	107	121
	Woolen	M & F	57	179	60	95	99	100	100	100	105	107	117	131	143
	Woolen	F	10	32	60	100	100	100	100	107	107	107	107	131	131
	Woolen	M	47	147	75	95	99	100	100	100	103	109	119	125	143
	Metals	M	121	917	72	97	97	98	100	100	101	102	109	120	136
	Building	M	40	433	82	92	99	100	100	100	100	100	101	122	132
	City	M	20	1453	82	90	90	90	90	90	90	90	90	97	170
1862 Jan.	Cotton[1]	M & F	132	1020	69	80	96	97	100	100	101	105	111	120	140
	Cotton	F	31	485	69	80	96	101	101	101	102	112	120	121	140
	Cotton	M	101	535	74	82	97	97	97	98	100	100	105	110	137
	Woolen	M & F	59	206	60	95	98	100	100	100	105	114	121	136	140
	Woolen	F	11	40	60	100	100	100	102	117	117	117	128	128	132
	Woolen	M	48	166	83	94	98	98	100	100	104	106	121	136	140
	Metals	M	130	1065	75	97	99	100	100	102	104	108	109	120	134
	Building	M	39	218	78	90	93	97	100	100	101	107	113	120	160
	City	M	19	970	79	99	100	100	100	100	100	100	100	100	121
1862 July	Cotton[1]	M & F	132	904	71	82	97	100	100	102	104	106	114	121	145
	Cotton	F	31	410	71	80	101	102	104	106	114	114	121	122	145
	Cotton	M	101	494	74	83	95	98	100	100	101	104	105	109	137
	Woolen	M & F	59	237	60	95	100	102	102	106	109	119	120	130	148
	Woolen	F	10	44	60	100	104	119	120	120	120	120	120	130	130
	Woolen	M	49	193	79	95	100	101	102	106	106	114	119	148	148
	Metals	M	132	1011	75	97	100	102	102	104	109	110	115	131	152
	Building	M	39	334	82	95	100	100	100	105	110	111	113	125	160
	City	M	20	1110	79	99	100	100	100	100	100	100	100	100	160

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860–1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1863 Jan.	Cotton[1]	M & F	128	761	54	97	100	100	104	105	107	109	117	123	151
	Cotton	F	30	352	54	97	104	105	107	107	107	114	121	121	151
	Cotton	M	98	409	62	94	97	100	100	103	105	107	114	124	146
	Woolen	M & F	61	227	60	100	105	109	110	119	119	124	146	146	218
	Woolen	F	11	41	60	100	100	109	116	116	116	123	123	128	160
	Woolen	M	50	186	79	100	105	109	110	119	119	143	146	146	218
	Metals	M	132	985	80	99	101	103	105	109	112	116	122	140	180
	Building	M	35	176	84	99	99	100	100	111	116	119	130	158	240
	City	M	19	949	73	102	125	125	125	125	125	125	125	125	160
1863 July	Cotton[1]	M & F	122	741	55	97	100	100	104	106	106	109	117	124	158
	Cotton	F	28	351	55	100	103	105	106	106	106	108	118	121	151
	Cotton	M	94	390	61	92	100	100	100	103	106	109	114	124	158
	Woolen	M & F	59	241	60	92	103	105	109	117	119	120	125	130	218
	Woolen	F	11	62	60	100	103	108	117	119	127	130	130	130	130
	Woolen	M	48	179	79	90	100	105	107	115	119	119	120	126	218
	Metals	M	131	1114	69	102	105	110	112	116	121	126	126	140	182
	Building	M	40	341	42	100	100	105	108	112	113	114	125	133	240
	City	M	18	960	73	110	125	125	125	125	125	125	125	125	170
1864 Jan.	Cotton[1]	M & F	132	941	78	99	100	101	106	112	116	121	128	139	197
	Cotton	F	31	454	93	95	101	101	101	107	114	120	121	128	162
	Cotton	M	101	487	78	99	100	106	111	114	120	125	139	151	197
	Woolen	M & F	55	235	84	100	106	113	119	125	128	130	133	141	218
	Woolen	F	8	53	100	100	102	102	128	128	128	130	130	141	141
	Woolen	M	47	182	84	100	107	116	119	125	127	129	133	150	218
	Metals	M	132	1229	75	107	114	118	120	121	125	132	138	143	235
	Building	M	39	250	97	110	113	113	114	120	125	129	134	160	280
	City	M	19	954	73	119	145	150	150	150	150	150	150	150	150

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1864 July	Cotton[1]	M & F	132	1014	88	101	109	109	113	121	126	130	141	150	197
	Cotton	F	31	523	95	101	109	109	109	116	122	127	130	141	162
	Cotton	M	101	491	88	105	108	113	119	126	129	139	150	173	197
	Woolen	M & F	61	230	90	106	111	115	125	129	132	138	145	148	218
	Woolen	F	11	59	90	106	107	107	132	136	136	136	143	143	148
	Woolen	M	51	171	92	100	113	115	125	129	132	140	145	148	218
	Metals	M	135	1376	68	110	124	125	136	140	147	154	158	163	192
	Building	M	38	478	77	119	125	130	131	140	150	150	150	175	280
	City	M	20	918	73	136	150	180	180	180	180	180	180	180	220
1865 Jan.	Cotton[1]	M & F	131	966	63	110	118	127	129	134	134	143	145	162	204
	Cotton	F	30	478	92	110	118	128	130	134	134	134	140	143	190
	Cotton	M	101	488	63	110	117	127	129	132	144	150	159	180	204
	Woolen	M & F	62	238	82	107	116	123	138	143	150	160	168	173	262
	Woolen	F	11	62	82	96	107	107	124	140	140	146	146	146	202
	Woolen	M	51	176	86	114	122	124	138	154	160	164	171	173	262
	Metals	M	135	1297	81	127	135	138	144	149	155	159	171	173	225
	Building	M	36	231	63	123	126	134	139	146	150	150	150	179	320
	City	M	21	796	100	120	150	182	190	190	190	190	190	190	193
1865 July	Cotton[1]	M & F	131	1144	88	123	129	131	135	144	151	151	168	174	201
	Cotton	F	31	615	98	125	129	131	133	151	151	151	158	168	190
	Cotton	M	100	529	88	117	129	133	135	140	147	159	174	179	201
	Woolen	M & F	61	229	86	117	119	124	133	147	151	151	156	173	262
	Woolen	F	10	56	104	117	117	117	128	147	147	147	147	152	202
	Woolen	M	51	173	86	117	123	125	135	150	151	156	170	175	262
	Metals	M	134	1208	67	126	137	140	147	150	158	160	168	174	225
	Building	M	37	365	73	134	142	146	150	150	163	172	175	179	320
	City	M	22	677	100	140	153	182	190	190	190	190	190	190	190

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1866 Jan.	Cotton[1]	M & F	135	1380	77	125	141	146	157	165	165	170	175	186	242
	Cotton	F	32	757	104	125	144	153	163	165	165	170	175	190	200
	Cotton	M	103	623	77	129	137	146	153	164	167	174	175	183	242
	Woolen	M & F	61	251	88	120	124	126	142	151	159	160	171	192	262
	Woolen	F	10	70	90	117	124	124	151	151	151	151	165	165	222
	Woolen	M	51	181	88	123	126	126	142	152	159	167	179	195	262
	Metals	M	134	1279	84	130	141	143	150	153	160	169	173	179	227
	Building	M	36	290	84	143	147	151	152	156	166	175	175	180	280
	City	M	22	585	100	143	182	190	190	190	190	190	190	190	190
1866 July	Cotton[1]	M & F	134	1332	100	133	144	152	163	174	178	185	186	189	242
	Cotton	F	32	722	104	134	144	160	167	178	178	178	186	198	202
	Cotton	M	102	610	100	133	143	150	159	168	175	185	185	187	242
	Woolen	M & F	59	273	80	123	129	131	147	150	165	175	175	190	262
	Woolen	F	8	65	109	131	131	131	149	149	149	165	165	165	184
	Woolen	M	51	208	80	121	126	129	147	154	175	175	184	192	262
	Metals	M	134	1354	81	136	146	147	152	155	166	170	176	178	257
	Building	M	39	453	73	150	151	163	167	175	175	175	179	200	280
	City	M	20	645	100	143	180	190	190	190	190	190	190	190	203
1867 Jan.	Cotton[1]	M & F	135	1428	87	133	145	153	165	175	177	182	188	195	229
	Cotton	F	32	759	87	136	148	163	167	182	188	188	188	192	213
	Cotton	M	102	669	94	129	145	152	160	170	175	177	178	200	229
	Woolen	M & F	58	255	80	123	131	137	140	147	152	155	167	184	262
	Woolen	F	9	64	109	131	131	140	152	153	153	153	155	155	242
	Woolen	M	49	191	80	123	134	137	138	147	147	158	167	184	262
	Metals	M	135	1359	78	139	148	149	152	158	167	172	176	180	303
	Building	M	38	301	63	152	156	166	171	175	175	175	200	205	280
	City	M	20	431	100	140	151	200	200	200	200	200	200	200	204

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1867 July	Cotton[1]	M & F	135	1442	87	136	152	161	166	174	182	186	194	208	225
	Cotton	F	32	721	87	131	161	168	175	182	182	186	189	194	216
	Cotton	M	103	721	100	140	147	155	162	166	166	175	176	200	225
	Woolen	M & F	60	253	80	120	131	138	145	150	150	158	162	168	262
	Woolen	F	10	61	80	131	131	131	150	150	150	150	162	165	250
	Woolen	M	50	192	80	120	130	138	145	148	152	158	162	168	262
	Metals	M	134	1262	74	140	149	150	153	159	166	171	179	181	257
	Building	M	38	505	84	143	154	175	180	188	194	200	203	219	280
	City	M	20	417	100	140	156	200	200	200	200	200	200	200	250
1868 Jan.	Cotton[1]	M & F	135	1439	85	137	148	157	165	167	174	176	179	192	256
	Cotton	F	32	684	85	131	160	167	169	176	176	178	191	192	204
	Cotton	M	103	755	100	138	146	151	157	165	165	172	175	190	256
	Woolen	M & F	59	245	80	121	129	131	134	137	142	150	156	160	250
	Woolen	F	10	62	80	131	131	131	138	142	156	156	156	164	250
	Woolen	M	49	183	80	121	129	130	134	135	142	149	152	160	236
	Metals	M	132	1091	74	136	148	149	153	160	167	170	176	180	257
	Building	M	38	314	73	147	160	170	175	175	184	200	201	217	280
	City	M	19	341	100	140	152	200	200	200	200	200	200	200	204
1868 July	Cotton[1]	M & F	135	1487	85	136	148	158	164	172	175	175	182	193	257
	Cotton	F	32	735	85	131	159	167	172	172	176	181	191	193	204
	Cotton	M	103	752	95	136	145	153	157	163	175	175	175	204	257
	Woolen	M & F	58	253	80	117	131	136	139	146	150	153	157	167	250
	Woolen	F	10	64	80	131	139	139	154	154	157	157	157	162	250
	Woolen	M	48	189	80	113	127	136	136	146	147	150	153	173	236
	Metals	M	133	1129	96	138	144	150	154	156	166	169	175	180	257
	Building	M	39	552	84	160	175	175	190	200	200	201	216	226	280
	City	M	21	435	100	140	162	200	200	200	200	200	205	225	233

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1869 Jan.	Cotton[1]	M & F	135	1481	88	133	149	160	165	174	175	175	181	193	263
	Cotton	F	32	739	88	131	160	167	175	175	175	179	186	193	208
	Cotton	M	103	742	95	135	146	154	160	165	174	174	177	190	263
	Woolen	M & F	59	246	80	120	130	137	147	148	150	162	167	175	250
	Woolen	F	10	59	80	138	148	148	148	160	160	160	167	167	250
	Woolen	M	49	187	80	119	129	136	137	147	149	162	168	175	236
	Metals	M	133	1121	100	143	146	151	154	159	167	172	176	180	257
	Building	M	35	368	63	152	165	178	188	200	203	218	220	250	280
	City	M	22	1223	100	140	200	200	200	200	200	205	205	205	233
1869 July	Cotton[1]	M & F	135	1472	88	134	150	160	168	175	177	178	189	208	263
	Cotton	F	32	750	88	134	160	168	178	178	178	190	202	208	257
	Cotton	M	103	722	95	138	147	153	160	168	175	175	177	195	263
	Woolen	M & F	59	257	80	113	125	136	142	147	154	157	162	174	270
	Woolen	F	10	61	80	138	154	154	154	155	157	157	162	162	270
	Woolen	M	49	196	80	113	119	128	139	142	147	150	163	175	236
	Metals	M	130	1196	98	143	149	152	155	159	165	171	179	180	307
	Building	M	40	675	63	153	175	179	185	200	200	220	225	247	280
	City	M	20	1333	100	140	173	200	200	200	200	200	205	205	233
1870 Jan.	Cotton[1]	M & F	135	1572	77	135	148	157	167	170	177	179	184	201	261
	Cotton	F	32	755	77	134	152	164	169	179	179	184	191	214	225
	Cotton	M	103	817	92	138	147	151	163	170	170	174	177	189	261
	Woolen	M & F	61	297	80	121	128	135	143	146	150	151	164	179	270
	Woolen	F	10	64	80	128	129	149	151	151	151	163	164	164	270
	Woolen	M	51	233	95	119	127	135	141	144	146	150	162	182	257
	Metals	M	128	1136	91	134	151	153	156	161	166	173	180	181	257
	Building	M	39	397	84	151	173	175	185	188	196	209	220	225	280
	City	M	21	1285	100	140	213	220	220	220	220	220	227	227	233

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1870 July	Cotton[1]	M & F	135	1516	75	134	150	163	174	177	179	186	186	205	261
	Cotton	F	32	746	77	134	159	175	179	179	179	186	197	205	217
	Cotton	M	103	770	75	135	148	156	163	173	177	185	186	189	261
	Woolen	M & F	60	301	78	117	132	137	142	145	150	151	171	181	270
	Woolen	F	9	64	80	92	132	149	151	151	151	171	171	171	270
	Woolen	M	51	237	78	119	127	137	139	142	146	150	170	186	229
	Metals	M	131	1141	89	130	147	151	155	162	167	171	178	180	303
	Building	M	40	674	84	156	170	175	175	175	179	205	225	245	280
	City	M	21	1546	100	140	192	204	204	212	220	220	220	220	233
1871 Jan.	Cotton[1]	M & F	132	1605	78	134	156	166	174	191	191	193	208	227	301
	Cotton	F	31	811	78	134	167	184	191	191	200	208	227	227	237
	Cotton	M	101	794	81	140	151	158	163	170	177	191	191	194	301
	Woolen	M & F	61	311	80	121	133	136	140	142	150	162	169	175	270
	Woolen	F	10	75	80	129	133	149	151	151	163	169	169	169	270
	Woolen	M	51	236	86	121	136	136	140	140	142	150	173	177	222
	Metals	M	131	1100	71	130	144	150	156	158	167	169	178	180	257
	Building	M	39	378	97	153	170	175	175	175	179	181	200	203	280
	City	M	20	1366	110	204	204	204	220	220	220	220	220	233	233
1871 July	Cotton[1]	M & F	132	1655	78	134	157	167	175	181	196	198	210	225	301
	Cotton	F	31	829	78	134	169	179	195	196	196	211	225	261	261
	Cotton	M	101	826	79	142	148	157	163	172	177	190	198	198	301
	Woolen	M & F	61	314	80	121	132	138	141	145	151	157	170	177	270
	Woolen	F	10	81	80	120	149	151	151	151	167	170	170	170	270
	Woolen	M	51	233	86	121	132	138	139	141	145	152	170	177	222
	Metals	M	126	1116	91	130	143	150	154	159	166	174	179	180	257
	Building	M	40	644	100	157	166	175	175	180	195	200	204	218	280
	City	M	20	1911	110	192	200	200	200	200	204	212	212	233	233

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1872 Jan.	Cotton[1]	M & F	133	1586	82	134	158	167	178	192	205	215	217	233	307
	Cotton	F	31	800	82	134	172	186	200	215	217	217	221	233	270
	Cotton	M	102	786	86	138	151	159	164	172	180	200	205	205	307
	Woolen	M & F	61	326	80	125	135	135	139	143	147	149	174	176	270
	Woolen	F	10	84	80	126	149	149	149	149	169	174	174	174	270
	Woolen	M	51	242	86	125	133	135	136	142	143	147	162	179	222
	Metals	M	122	1151	91	130	142	153	155	158	165	172	177	180	257
	Building	M	38	438	73	157	171	175	175	183	200	200	200	212	280
	City	M	20	963	110	186	200	200	200	200	200	200	204	212	233
1872 July	Cotton[1]	M & F	134	1650	82	134	157	171	177	192	198	204	213	229	307
	Cotton	F	32	828	82	134	174	187	197	202	213	213	229	259	259
	Cotton	M	102	822	97	145	153	162	171	175	180	198	198	204	307
	Woolen	M & F	60	318	80	127	130	138	139	142	148	150	173	175	286
	Woolen	F	9	83	80	130	130	149	149	149	173	173	173	173	270
	Woolen	M	51	235	86	127	129	137	139	140	142	148	156	182	286
	Metals	M	123	1242	91	130	150	155	157	162	167	171	180	185	257
	Building	M	39	650	122	157	172	175	175	183	200	200	203	223	280
	City	M	20	1552	110	197	200	200	200	200	200	204	204	212	233
1873 Jan.	Cotton[1]	M & F	134	1662	82	145	152	165	175	186	198	200	207	241	304
	Cotton	F	32	764	82	147	173	186	195	207	207	212	223	241	255
	Cotton	M	102	898	97	141	148	159	165	170	177	197	198	199	304
	Woolen	M & F	60	312	80	128	135	136	138	144	148	150	169	178	229
	Woolen	F	9	78	80	130	149	150	150	150	169	169	169	175	200
	Woolen	M	51	234	86	128	135	135	136	138	144	148	161	178	229
	Metals	M	123	1182	94	134	148	155	157	160	167	173	177	180	257
	Building	M	38	356	91	153	161	171	175	175	181	200	203	210	240
	City	M	21	1162	120	174	200	200	200	200	200	204	204	212	233

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1873 July	Cotton[1]	M & F	134	1589	82	141	157	170	177	193	201	203	222	232	304
	Cotton	F	32	768	82	147	176	193	194	203	222	222	223	232	273
	Cotton	M	102	821	89	136	150	161	170	175	177	201	201	206	304
	Woolen	M & F	61	315	80	128	132	136	144	146	150	158	171	178	229
	Woolen	F	10	76	80	127	149	150	150	150	171	171	171	177	224
	Woolen	M	51	239	86	128	132	133	138	144	144	154	162	186	229
	Metals	M	123	1187	74	130	149	157	159	161	167	173	184	195	257
	Building	M	42	623	101	157	174	175	175	175	183	193	208	225	248
	City	M	22	1490	120	177	200	200	200	200	200	200	204	212	233
1874 Jan.	Cotton[1]	M & F	134	1519	51	136	148	157	170	179	183	195	195	218	262
	Cotton	F	32	738	57	146	152	172	191	195	195	201	218	221	221
	Cotton	M	102	781	51	129	145	152	157	168	174	183	183	183	262
	Woolen	M & F	60	338	80	111	127	137	141	143	144	152	174	175	232
	Woolen	F	9	88	80	109	127	137	137	173	174	174	174	175	218
	Woolen	M	51	250	86	111	116	139	143	143	144	150	152	174	232
	Metals	M	120	1057	74	130	143	149	151	158	162	170	178	180	257
	Building	M	41	406	89	150	157	168	171	175	187	200	203	204	267
	City	M	22	1103	120	192	200	200	200	200	200	204	204	212	233
1874 July	Cotton[1]	M & F	134	1541	51	132	147	157	172	185	189	199	204	217	262
	Cotton	F	32	745	64	146	151	172	191	202	204	204	214	218	218
	Cotton	M	102	796	51	131	145	152	160	170	176	189	189	189	262
	Woolen	M & F	59	327	80	125	136	138	140	140	149	156	175	176	291
	Woolen	F	9	88	80	136	140	148	148	148	175	175	176	176	198
	Woolen	M	50	239	86	125	136	137	138	140	141	150	163	178	291
	Metals	M	118	1035	74	139	144	151	157	160	164	169	177	180	257
	Building	M	42	560	77	157	169	175	175	175	188	188	193	202	267
	City	M	22	952	120	173	173	200	200	200	200	200	204	212	233

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1875 Jan.	Cotton[1]	M & F	133	1550	57	129	137	150	161	170	172	180	181	198	239
	Cotton	F	31	741	57	134	144	155	171	180	181	181	191	200	229
	Cotton	M	102	809	63	126	130	137	153	161	170	172	172	182	239
	Woolen	M & F	60	333	80	125	138	141	148	149	149	158	175	177	217
	Woolen	F	9	94	80	138	148	148	149	152	175	177	177	177	177
	Woolen	M	51	239	88	125	136	140	141	148	149	149	164	176	217
	Metals	M	116	942	74	130	141	144	147	149	155	157	162	173	257
	Building	M	41	363	95	144	156	157	160	173	175	175	179	191	250
	City	M	21	698	120	164	200	200	200	200	200	200	200	204	233
1875 July	Cotton[1]	M & F	133	1570	57	129	136	150	158	168	177	182	183	198	243
	Cotton	F	31	768	57	131	150	154	168	182	183	183	190	205	240
	Cotton	M	102	802	63	127	130	137	150	160	164	177	177	182	243
	Woolen	M & F	59	345	80	125	136	144	148	149	160	160	173	175	229
	Woolen	F	9	99	80	138	148	148	149	152	173	174	174	174	185
	Woolen	M	50	246	88	125	136	138	144	149	150	160	160	175	229
	Metals	M	120	987	88	128	140	143	144	144	150	156	161	173	257
	Building	M	41	621	97	143	157	160	160	163	173	176	187	200	240
	City	M	21	587	120	136	150	164	195	200	200	200	200	200	233
1876 Jan.	Cotton[1]	M & F	132	1558	57	124	133	145	151	170	177	177	180	189	237
	Cotton	F	31	750	57	131	146	151	171	179	179	186	189	189	237
	Cotton	M	101	808	63	121	128	133	145	158	167	176	177	177	230
	Woolen	M & F	60	322	80	125	135	136	140	143	148	155	173	179	229
	Woolen	F	9	94	80	109	148	148	148	149	173	179	179	179	179
	Woolen	M	51	228	88	125	133	135	140	140	142	149	155	175	229
	Metals	M	112	922	68	125	130	142	144	145	148	153	157	163	257
	Building	M	41	391	73	131	140	149	150	156	171	175	178	183	240
	City	M	21	656	120	148	164	200	200	200	200	200	200	212	233

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1876 July	Cotton[1]	M & F	132	1705	57	124	133	146	155	156	162	168	174	179	237
	Cotton	F	31	842	57	133	152	162	168	168	168	174	178	182	209
	Cotton	M	101	863	63	119	126	133	146	155	155	155	160	166	237
	Woolen	M & F	59	342	80	109	126	134	137	144	147	150	173	177	229
	Woolen	F	9	94	80	122	144	144	149	163	173	177	177	177	194
	Woolen	M	50	248	83	105	122	134	136	137	137	147	150	169	229
	Metals	M	117	910	63	120	128	134	138	141	144	148	151	158	236
	Building	M	42	614	103	137	139	140	150	157	166	175	176	195	240
	City	M	21	768	120	120	120	125	160	175	200	200	200	200	225
1877 Jan.	Cotton[1]	M & F	133	1656	56	123	133	145	146	151	156	158	170	171	237
	Cotton	F	31	817	56	133	155	156	156	156	164	170	171	171	212
	Cotton	M	102	839	72	119	127	133	144	146	146	146	151	167	237
	Woolen	M & F	52	319	80	105	124	130	130	137	141	145	150	176	226
	Woolen	F	8	84	80	120	134	141	144	144	144	176	176	176	202
	Woolen	M	44	235	83	105	122	130	130	130	137	137	145	169	226
	Metals	M	118	915	73	115	115	123	132	135	140	145	150	159	236
	Building	M	40	329	97	119	125	125	125	127	144	157	163	181	244
	City	M	21	609	100	100	100	160	160	160	160	160	160	174	200
1877 July	Cotton[1]	M & F	133	1672	56	124	134	142	147	151	158	163	168	174	237
	Cotton	F	31	833	56	134	154	156	163	163	168	168	171	174	212
	Cotton	M	102	839	72	119	128	134	140	147	147	147	147	165	237
	Woolen	M & F	60	370	80	109	130	136	141	141	144	144	164	180	235
	Woolen	F	9	91	80	131	132	144	144	151	169	180	180	180	235
	Woolen	M	51	279	83	107	127	136	138	141	141	141	144	171	226
	Metals	M	117	899	68	102	115	123	128	133	138	144	150	154	236
	Building	M	42	727	63	123	125	125	125	131	138	153	156	161	267
	City	M	21	441	100	100	100	101	136	160	160	160	160	176	200

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[1] Including ginghams.

TABLE 35—(CONTINUED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July, 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1878 Jan.	Cotton[1]	M & F	131	1668	57	118	134	142	153	153	162	168	171	175	237
	Cotton	F	31	833	57	135	158	161	168	168	169	171	171	175	228
	Cotton	M	100	835	57	113	126	133	140	148	153	153	153	164	237
	Woolen	M & F	60	358	80	108	130	136	141	141	144	146	166	183	237
	Woolen	F	9	93	80	98	131	144	144	162	169	183	183	183	223
	Woolen	M	51	265	83	108	126	136	139	141	141	146	146	166	237
	Metals	M	117	1007	66	105	115	120	126	134	137	140	145	153	236
	Building	M	40	331	84	119	125	125	125	126	141	155	160	165	267
	City	M	21	330	100	100	104	140	148	159	160	160	160	160	200
1878 July	Cotton[1]	M & F	131	1725	57	119	131	142	148	148	158	167	175	179	283
	Cotton	F	31	864	57	131	153	158	167	167	169	175	175	179	232
	Cotton	M	100	861	57	113	126	134	140	146	148	148	148	168	283
	Woolen	M & F	60	380	80	108	131	136	140	144	145	152	169	186	244
	Woolen	F	9	105	80	106	131	144	144	158	169	186	186	186	244
	Woolen	M	51	275	83	108	130	135	139	140	145	145	148	175	232
	Metals	M	118	936	58	105	115	120	125	130	134	137	144	157	236
	Building	M	40	610	63	114	121	125	125	125	131	151	158	162	221
	City	M	20	418	100	100	100	100	112	148	159	160	160	160	195
1879 Jan.	Cotton[1]	M & F	131	1756	47	118	128	140	144	144	153	165	171	177	225
	Cotton	F	32	862	47	131	141	153	165	165	169	171	177	181	217
	Cotton	M	99	894	73	115	120	127	136	142	144	144	144	151	225
	Woolen	M & F	60	342	80	108	127	128	131	138	141	144	167	184	239
	Woolen	F	9	94	80	100	131	144	144	167	169	184	184	184	239
	Woolen	M	51	248	83	108	127	128	128	131	138	141	141	167	232
	Metals	M	122	940	79	100	115	119	124	127	132	135	139	151	222
	Building	M	39	326	84	113	125	125	125	134	141	144	157	163	212
	City	M	21	337	98	98	98	100	129	148	160	160	160	160	195

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[1] Including ginghams.

TABLE 35—(CONCLUDED).

Relative rates of wages of all employees, and of males and females, in five industries, in January and July: 1860-1880.

Date	Industry	Sex	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1879 July	Cotton[1]	M & F	131	1799	47	118	125	140	142	142	154	160	171	187	225
	Cotton	F	32	894	47	142	150	155	160	160	168	171	179	187	223
	Cotton	M	99	905	73	113	119	123	132	140	142	142	142	148	225
	Woolen	M & F	60	328	80	108	128	128	133	139	140	154	167	181	269
	Woolen	F	9	91	80	98	131	144	144	161	163	181	181	181	269
	Woolen	M	51	237	83	108	126	128	131	133	139	140	154	175	254
	Metals	M	123	1021	79	104	115	120	125	128	130	133	137	150	238
	Building	M	41	697	77	113	125	125	128	136	144	150	157	159	221
	City	M	21	468	99	99	99	99	100	100	129	148	160	160	195
1880 Jan.	Cotton[1]	M & F	132	1774	52	119	130	141	141	149	164	166	175	187	232
	Cotton	F	32	873	52	149	154	164	164	166	170	175	187	213	232
	Cotton	M	100	901	80	118	120	127	135	141	141	141	141	164	214
	Woolen	M & F	61	346	80	115	125	130	130	132	140	150	172	177	254
	Woolen	F	10	101	80	97	125	132	132	171	172	177	177	177	247
	Woolen	M	51	245	92	115	124	130	130	131	136	140	143	167	254
	Metals	M	124	1180	79	109	120	126	128	130	132	133	141	153	215
	Building	M	40	383	75	118	125	128	133	138	148	149	156	161	200
	City	M	21	260	100	100	101	101	125	145	148	160	160	160	195
1880 July	Cotton[1]	M & F	132	1818	57	124	134	140	140	152	163	163	173	187	228
	Cotton	F	32	900	57	151	155	163	163	163	173	173	187	208	228
	Cotton	M	100	918	80	117	127	129	137	140	140	140	145	166	225
	Woolen	M & F	61	367	80	115	130	130	130	132	138	145	174	176	311
	Woolen	F	10	95	80	103	125	132	132	174	176	176	176	181	311
	Woolen	M	51	272	92	115	130	130	130	131	138	138	145	171	254
	Metals	M	125	1526	79	115	120	126	132	135	137	142	150	159	215
	Building	M	41	678	70	109	129	140	150	150	150	152	157	166	208
	City	M	21	445	100	100	123	123	123	123	144	148	160	160	210

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[1] Including ginghams.

TABLE 36.

Average distribution of all employees in five industries separately, and in all industries together, over the field covered by the fluctuations of relative rates of wages, from 1860-1880.

NOTE.—Based upon Table 35 in the same manner as Table 34 is based upon Table 33.

Average intervals between	All industries	Cotton textiles[1]	Woolen textiles	Metals and metallic goods	Building trades	City public works
	Points	Points	Points	Points	Points	Points
Lowest relative wages and 1st dec.	58.0	49.2	34.4	40.9	48.9	32.6
1st and 2d deciles	10.2	11.5	10.1	8.9	9.0	15.6
2d and 3d deciles	6.5	8.1	4.1	4.2	4.6	12.4
3d and 4th deciles	6.2	6.1	4.5	3.6	2.8	4.9
4th deciles and Medians	6.2	6.5	3.8	3.4	4.6	3.3
Medians and 6th deciles	6.3	5.3	4.2	5.0	6.7	2.7
6th and 7th deciles	7.0	4.1	5.1	4.3	6.4	1.4
7th and 8th deciles	6.4	6.5	12.2	5.6	6.0	1.3
8th and 9th deciles	9.7	11.1	9.3	6.4	12.3	3.7
9th deciles and highest relative wages	95.1	48.6	67.2	67.0	61.7	24.4
Lowest and highest relative wages	211.6	157.0	154.9	149.3	163.0	102.3

the January medians being higher in 1871 and 1872, and lower in 1873 and 1874. The only industry which exhibits these movements in more marked degree than the total is stone (not shown in Table 35). Further, arithmetic means for all industries (see Table 37, below) make these movements appear much more moderate in degree than do the medians, and so also do the other deciles. The medians for all industries must, therefore, be held to give an exaggerated impression of the degree of differences between relative wages in January and July of these years.

On examining relative wages in the same industry at different dates, one finds marked similarity of general trend shown by the movements of the nine deciles, co-existing with rather wide and fairly constant intervals between the extreme deciles. Also, on examining relative wages in different industries on the same and on different dates, one finds similarity of trend co-existing with considerable differences in degree of movement. These latter agreements and differences may be more conveniently studied in the table of arithmetic means which follows than in

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[1] Including ginghams.

TABLE 37.

Arithmetic means of relative rates of wages in nine industries and in all industries: January and July, 1860-1880.

Data obtained from the exhibits of the Aldrich Report.

NOTE.—Regarding method of construction, see pp. 94, 95.

		All industries	Cotton textiles	Ginghams	Cotton textiles and ginghams	Woolen textiles	Metals and metallic goods	Building trades	Stone	Railroads	Illuminating gas	City Public works
Number of establishments		78	3	1	4	3	19	21	6	1	4	4
No. of series		527	105	30	135	62	138	42	19	11	22	22
Av. no. of employees		5733	715	707	1422	283	1094	436	488	269	394	953
1860	Jan.	100	100	100	100	100	100	100	100	100	100	100
	July	100	101	100	100	103	101	102	100	103	99	100
1861	Jan.	102	97	103	100	106	102	101	128	105	100	100
	July	99	97	109	102	107	103	102	91	105	99	91
1862	Jan.	102	98	105	101	108	105	103	96	105	100	99
	July	104	98	110	103	111	108	107	90	103	103	99
1863	Jan.	116	107	109	108	120	114	118	100	106	125	122
	July	119	109	107	108	114	120	118	113	109	142	123
1864	Jan.	131	123	107	116	122	126	128	143	114	157	144
	July	142	130	118	124	128	139	143	135	112	162	169
1865	Jan.	152	138	131	135	142	149	145	155	144	176	175
	July	155	141	148	146	142	150	158	151	146	175	178
1866	Jan.	161	159	160	159	149	155	162	172	138	183	181
	July	164	163	169	166	153	157	171	158	148	181	182
1867	Jan.	168	166	170	168	149	158	174	168	155	183	186
	July	168	167	171	169	148	159	186	162	160	185	188
1868	Jan.	167	164	169	166	141	159	180	178	156	185	186
	July	170	165	170	167	145	159	195	175	161	186	190
1869	Jan.	176	165	171	168	149	160	195	196	156	195	192
	July	179	172	173	173	146	160	199	205	162	189	191
1870	Jan.	181	166	171	169	147	161	192	200	165	192	210
	July	179	166	178	172	147	159	188	201	158	189	202
1871	Jan.	183	176	189	182	148	158	178	188	171	199	213
	July	184	178	190	184	149	159	187	198	170	195	204
1872	Jan.	179	183	198	190	148	158	185	186	167	196	198
	July	185	183	195	189	148	161	190	203	171	205	201
1873	Jan.	180	176	197	185	149	161	180	182	158	221	196
	July	183	179	200	189	150	163	186	198	162	204	195
1874	Jan.	176	163	188	175	145	158	178	182	160	212	199
	July	175	162	193	177	149	159	182	180	160	200	193
1875	Jan.	167	150	176	162	150	151	168	167	161	200	193
	July	163	150	178	163	152	148	170	161	158	182	181
1876	Jan.	162	144	176	160	148	146	160	169	150	193	190
	July	153	145	161	154	144	141	160	141	151	173	166
1877	Jan.	147	141	155	149	139	135	143	140	147	184	150
	July	143	142	156	150	144	133	140	130	142	165	140
1878	Jan.	145	144	159	153	144	132	141	133	139	169	143
	July	143	146	157	153	147	131	137	130	138	156	134
1879	Jan.	142	142	155	149	142	127	139	125	146	162	135
	July	139	146	151	149	143	128	139	125	147	157	123
1880	Jan.	142	152	153	152	143	130	138	124	153	158	133
	July	144	154	154	154	144	135	146	133	153	159	135

the detailed table of deciles. All of the industries are found to participate in the advance of wages during the war; all show higher rates in 1872 than in 1865; all show a decided fall in the later 70's; all show an advance in 1880; all show arithmetic means in July, 1880, varying from 33 to 59 points above the level for 1860. The character of the differences which co-exist with these agreements is sufficiently illustrated by the following statements of the varying maxima attained by arithmetic means for the different industries and the dates when they occurred.

Industries	Highest arithmetic means of relative wages	Dates of maxima
All industries	185	July, 1872
Cotton textiles	183	Jan. and July, 1872
Ginghams	200	July, 1873
Woolen textiles	153	July, 1866
Metals	163	July, 1873
Building trades	199	July, 1869
Stone	205	July, 1869
Railways	171	July, 1871 and July, 1872
Illuminating gas	221	Jan., 1873
City public works	213	Jan., 1871

The preceding table of deciles and the following table of arithmetic means (Table 38) make it possible to compare the wages of males and females in the same industries. It appears that during the years of large enlistments in the army, wages of men advanced more rapidly than those of women—a rule to which the one establishment manufacturing ginghams affords a doubtful exception. But after 1869 the relative wages of women almost always stand higher, and by the end of the period the differences in favor of women are wide in all industries.

e.—Relative Wages in Various Occupations.

Table 39 presents deciles for those occupations which are most fully represented by the material obtained from the *Aldrich Report*. Most of the occupations are recognized trades; but in preparation for Table 40 I have also included apprentices and foremen, to whatever trade they belong, as single series. The table shows a considerable range of variation in the relative wages of all the occupations—a range which in most cases is much wider

TABLE 38.

Arithmetic means of relative rates of wages of male and female employees in various industries: January and July, 1860-1880.

Data obtained from the exhibits of the Aldrich Report.

NOTE.—Regarding method of construction, see pp. 94, 95.

		All industries in which both males and females were employed		Cotton textiles		Ginghams		Woolen textiles	
		Males	Females	Males	Females	Males	Females	Males	Females
No. of series		178	50	82	23	21	9	51	11
Av. no. of emply's		1049	837	419	296	301	406	212	71
1860	Jan.	100	100	100	100	100	100	100	100
	July	100	101	100	101	100	101	103	103
1861	Jan.	99	102	96	98	100	104	106	108
	July	100	106	97	98	102	113	107	106
1862	Jan.	100	104	98	97	99	109	107	112
	July	102	107	99	96	101	116	110	115
1863	Jan.	110	109	107	106	101	113	121	117
	July	109	109	109	108	101	110	113	116
1864	Jan.	120	112	127	115	104	109	122	120
	July	130	120	136	121	117	118	128	127
1865	Jan.	142	128	144	125	128	133	146	130
	July	146	142	148	130	143	151	144	136
1866	Jan.	156	156	159	159	158	161	152	143
	July	161	163	162	163	167	171	155	148
1867	Jan.	160	166	167	164	164	174	149	148
	July	162	167	168	165	162	178	148	147
1868	Jan.	160	164	166	160	160	176	140	145
	July	161	165	168	162	162	175	143	149
1869	Jan.	162	166	168	161	162	177	147	154
	July	161	173	169	177	162	181	143	154
1870	Jan.	161	168	166	167	164	176	146	150
	July	163	169	167	164	172	183	146	149
1871	Jan.	166	185	170	182	175	199	146	154
	July	167	188	170	189	178	199	147	155
1872	Jan.	170	193	178	190	183	210	146	156
	July	171	191	180	188	180	207	146	154
1873	Jan.	168	190	173	180	180	211	146	155
	July	170	193	176	184	181	216	148	157
1874	Jan.	159	178	162	165	172	201	142	153
	July	164	180	163	161	177	205	146	155
1875	Jan.	155	167	150	150	165	186	147	158
	July	155	167	149	151	166	187	150	157
1876	Jan.	152	165	142	146	165	185	144	157
	July	146	161	141	151	152	170	138	158
1877	Jan.	142	155	137	145	147	162	135	150
	July	142	158	138	147	145	165	140	156
1878	Jan.	142	162	134	157	149	168	140	156
	July	141	163	135	159	145	168	142	157
1879	Jan.	137	159	130	157	143	166	137	156
	July	136	161	129	166	139	162	138	155
1880	Jan.	137	164	135	171	139	167	139	153
	July	139	165	137	172	140	167	139	156

than that between the medians of different occupations at the same date. It also shows that all occupations shared in the advance of wages after the issue of the greenbacks, though in varying degrees and with varying promptness. Laborers appear to have fared best during the war, and apprentices, engineers, and overseers in textile factories to have fared worst. All occupations, except teamsters, also show higher rates in 1872 than in 1865; all except overseers in textile mills suffered a decline during the later '70's; all except apprentices and painters secured an advance between July, 1879, and July, 1880; and at the last date all show relative wages ranging from 13 to 71 points higher than in 1860. The extreme differences between the medians for the 15 occupations exceeded 50 points during the war, rose to 101 points in July, 1869, and receded to an average of about 50 points in the years of business depression following 1873.

The detail of Table 39 is so abundant as to obscure broad differences. I have therefore grouped the occupations there represented into four "grades" of wage-earners, under the captions "unskilled laborers," "helpers of craftsmen," "skilled craftsmen," and "foremen and overseers." Various occupations not represented by enough series to be given a place in the table of deciles, but which could be definitely assigned to one of these grades, were also included. The result is to show that until July, 1875, the two higher grades fared decidedly worse than the two lower grades, though skilled craftsmen were better off than foremen and overseers. The relative stability in the wages of foremen and overseers, which had told against them during the years of rising wages, told in their favor during the years of falling wages, and to such an extent that at several dates from 1876 to 1880 they had the highest relative wage of any grade. Skilled craftsmen, however, show lower relative wages than their helpers during the years of the fall as well as during the years of the rise. As between these helpers and unskilled laborers, the table shows the latter in the lead from 1863 to January, 1866, and from January, 1869, to July, 1874, and the former in the lead from 1875 to 1880. On the whole, the relative wages of unskilled laborers show greater mobility than those of any other grade—a sharper rise during the war, wider fluctuations in the uncertain

TABLE 39.

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.
Data obtained from the exhibits of the Aldrich Report.

NOTE.—For method of construction, see notes upon Table 33.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860	Jan.	All occupations			100	100	100	100	100	100	100	100	100	100	100
1860	July	Laborers	39	2848	97	99	100	100	100	100	100	100	100	100	110
		Watchmen	13	33	100	100	100	100	100	100	100	100	100	100	100
		Teamsters	10	23	100	100	100	100	102	102	107	109	109	109	109
		Apprentices	12	51	74	74	81	81	101	101	102	106	109	123	125
		Bricklayers	12	310	85	97	100	100	100	100	100	100	100	100	116
		Carpenters	20	191	93	96	100	100	100	100	100	100	100	100	117
		Painters	13	103	99	100	100	100	100	100	100	100	101	102	117
		Blacksmiths	16	78	88	97	98	99	99	99	100	100	100	103	110
		Blacksmiths' helpers	11	61	100	100	100	100	100	100	100	100	105	107	111
		Machinists	23	369	90	98	98	100	100	100	100	101	101	102	103
		Engineers	13	59	100	100	100	100	100	100	100	100	100	100	100
		Molders	13	107	94	100	100	100	100	100	101	102	102	116	116
		Pattern makers	11	33	100	100	100	100	100	101	102	102	102	107	110
		Foremen	21	30	100	100	100	100	100	100	100	101	101	101	107
		Overseers, textile mills	32	38	75	100	100	100	100	100	100	100	100	100	110
1861	Jan.	Laborers	39	2282	85	99	100	100	100	100	100	100	100	103	149
		Watchmen	13	37	81	81	89	94	100	100	100	100	100	100	120
		Teamsters	8	19	92	92	100	100	100	106	106	106	107	107	115
		Apprentices	9	56	76	76	86	86	88	88	99	101	103	115	147
		Bricklayers	10	145	97	99	100	100	100	100	100	100	101	105	107
		Carpenters	19	146	89	93	98	100	100	100	100	101	101	102	112
		Painters	12	38	86	100	100	100	100	101	103	103	111	111	140
		Blacksmiths	15	64	88	95	97	97	99	99	99	100	100	100	100
		Blacksmiths' helpers	11	55	92	92	92	92	100	100	100	100	100	107	111
		Machinists	22	329	90	99	100	100	100	102	102	104	108	108	121
		Engineers	12	52	88	99	100	100	100	100	100	100	100	100	100
		Molders	12	92	97	100	100	102	102	102	102	102	102	118	123
		Pattern makers	12	32	86	97	97	100	100	101	105	106	106	112	126
		Foremen	21	28	100	100	100	100	100	100	100	104	104	104	113
		Overseers, textile mills	32	38	75	83	85	100	100	100	100	100	106	111	125

TABLE 39—(Continued).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1861 July	Laborers	38	1966	80	90	90	90	90	90	90	98	98	100	129
	Watchmen	12	36	72	81	89	94	100	100	100	100	100	100	120
	Teamsters	9	26	87	87	92	99	100	100	104	104	104	107	107
	Apprentices	13	49	72	72	83	84	89	91	109	109	114	124	133
	Bricklayers	12	190	90	90	90	90	90	91	97	100	100	101	113
	Carpenters	18	263	83	87	97	99	100	100	100	102	111	111	122
	Painters	12	81	75	99	100	100	100	100	100	101	101	101	117
	Blacksmiths	15	68	88	93	96	96	96	96	97	97	100	101	103
	Blacksmiths' helpers	11	54	84	84	96	100	100	100	100	100	101	103	107
	Machinists	23	350	94	97	97	97	99	100	103	106	120	120	121
	Engineers	11	64	88	99	100	100	100	100	100	100	100	100	107
	Molders	13	140	94	100	100	100	100	100	100	101	102	117	118
	Pattern makers	12	30	89	89	94	97	97	100	101	105	105	112	136
	Foremen	23	31	99	100	100	100	100	100	100	105	105	107	120
	Overseers, textile mills	32	39	75	83	85	100	100	100	100	105	107	113	125
1862 Jan.	Laborers	38	1449	80	99	99	100	100	100	100	100	100	100	142
	Watchmen	10	31	81	81	89	100	100	100	100	100	100	100	120
	Teamsters	10	22	84	92	94	100	100	107	108	108	108	108	133
	Apprentices	13	52	81	84	89	93	99	99	107	107	114	133	134
	Bricklayers	11	77	84	84	88	88	97	98	106	106	113	113	113
	Carpenters	18	179	86	90	98	100	100	105	107	107	107	107	127
	Painters	11	29	75	100	100	100	100	107	107	111	114	117	140
	Blacksmiths	17	63	88	93	94	96	97	97	97	103	103	106	200
	Blacksmiths' helpers	12	54	92	96	97	100	100	100	103	103	109	109	180
	Machinists	24	460	94	97	100	100	100	103	105	108	108	132	132
	Engineers	12	65	88	99	100	100	100	100	100	100	100	100	111
	Molders	13	113	96	100	101	101	101	103	104	104	117	117	123
	Pattern makers	11	29	94	94	94	99	100	100	107	107	112	113	116
	Foremen	23	33	94	100	100	100	100	100	104	106	106	107	120
	Overseers, textile mills	31	37	83	83	85	100	100	100	100	100	109	113	137

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1862 July	Laborers	39	1745	80	91	97	100	100	100	100	100	100	103	142
	Watchmen	11	30	81	81	94	100	100	100	100	100	100	102	120
	Teamsters	10	24	89	92	94	100	100	107	109	109	109	109	133
	Apprentices	13	50	88	88	91	91	95	108	108	109	111	114	152
	Bricklayers	11	93	83	88	88	98	105	105	105	113	113	113	113
	Carpenters	18	187	86	87	95	95	99	100	100	103	113	127	143
	Painters	12	81	75	91	100	100	100	100	100	100	100	103	140
	Blacksmiths	16	58	88	96	97	97	99	100	104	104	106	111	200
	Blacksmiths' helpers	12	54	91	92	92	100	104	104	104	111	111	113	180
	Machinists	24	427	84	100	102	102	103	105	109	112	115	132	132
	Engineers	11	58	88	99	100	100	100	100	100	100	100	100	111
	Molders	13	112	94	97	100	102	102	102	115	115	117	129	129
	Pattern makers	13	47	90	94	98	98	100	110	110	110	113	114	116
	Foremen	22	34	94	100	100	100	100	100	102	102	102	105	120
	Overseers, textile mills	32	38	75	78	83	85	100	100	100	109	113	117	137
1863 Jan.	Laborers	38	129	89	104	115	125	125	125	125	125	125	140	142
	Watchmen	13	38	73	94	94	100	100	100	100	100	107	114	125
	Teamsters	10	23	89	89	98	100	107	112	112	112	112	116	133
	Apprentices	12	44	89	89	89	94	96	96	102	102	113	117	152
	Bricklayers	10	50	82	82	93	100	100	100	110	115	125	158	158
	Carpenters	18	154	86	90	98	98	99	100	100	108	114	114	143
	Painters	10	35	86	95	100	100	100	107	116	116	119	119	140
	Blacksmiths	17	63	96	96	100	102	104	106	106	112	113	114	200
	Blacksmiths' helpers	12	48	86	100	100	111	113	113	113	114	114	120	180
	Machinists	24	393	86	100	103	103	106	110	112	122	122	180	180
	Engineers	13	67	89	94	100	105	105	105	105	105	105	111	129
	Molders	13	94	97	100	103	105	105	107	107	117	117	129	129
	Pattern makers	11	57	89	94	99	104	104	110	110	110	116	121	125
	Foremen	22	33	97	97	97	97	100	100	100	104	111	114	125
	Overseers, textile mills	32	38	78	100	100	100	100	103	106	114	119	137	218

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1863 July	Laborers	38	1643	96	111	114	114	125	125	125	125	125	125	148
	Watchmen	13	39	73	94	94	100	100	100	100	100	107	125	136
	Teamsters	10	26	83	98	100	107	121	121	121	121	121	122	167
	Apprentices	9	31	69	69	89	89	102	105	108	113	133	137	182
	Bricklayers	11	79	87	102	105	105	110	110	110	113	115	125	131
	Carpenters	19	274	92	100	100	100	106	108	108	112	114	121	171
	Painters	12	84	97	100	102	107	109	113	113	113	113	113	167
	Blacksmiths	17	66	94	106	108	110	114	117	117	117	126	140	200
	Blacksmiths' helpers	12	68	103	108	118	124	124	125	125	125	125	156	180
	Machinists	23	406	91	103	103	106	112	113	116	126	126	180	180
	Engineers	12	70	92	94	105	105	105	105	105	105	105	111	129
	Molders	13	120	100	103	110	110	112	112	115	117	122	122	147
	Pattern makers	12	60	90	102	111	116	116	117	117	117	127	133	150
	Foremen	21	36	100	100	101	101	101	101	106	111	114	125	128
	Overseers, textile mills	31	36	78	100	100	100	100	100	103	114	120	143	218
1864 Jan.	Laborers	39	1613	96	123	136	142	147	150	150	150	150	150	173
	Watchmen	12	35	73	100	100	113	116	116	116	116	120	134	159
	Teamsters	11	24	94	94	100	111	117	117	124	124	131	131	167
	Apprentices	9	34	90	90	90	103	106	106	114	119	121	139	205
	Bricklayers	11	69	92	114	119	120	120	125	125	125	125	133	151
	Carpenters	19	192	100	110	111	113	121	129	131	131	131	145	171
	Painters	11	38	89	96	97	97	110	110	113	113	114	140	150
	Blacksmiths	17	68	100	114	118	120	124	129	132	135	137	139	200
	Blacksmiths' helpers	12	75	100	125	128	129	132	132	133	135	141	141	180
	Machinists	23	445	94	115	117	120	120	120	125	131	141	165	235
	Engineers	13	71	92	96	106	106	106	106	106	106	107	112	143
	Molders	13	118	100	113	113	117	120	120	123	123	126	132	147
	Pattern makers	12	69	106	111	119	119	125	129	129	129	143	143	152
	Foremen	21	27	100	100	110	117	117	117	120	122	128	135	175
	Overseers, textile mills	30	36	78	98	100	100	111	114	120	129	133	150	218

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1864 July	Laborers	40	1519	100	130	135	135	142	173	180	180	180	180	180
	Watchmen	13	36	73	113	113	117	140	145	145	145	145	158	159
	Teamsters	11	23	94	94	107	111	133	139	139	139	139	155	233
	Apprentices	13	56	83	83	83	99	100	100	123	126	129	138	183
	Bricklayers	12	136	102	102	125	125	125	131	131	140	150	150	178
	Carpenters	19	228	108	118	119	129	131	135	150	150	150	164	171
	Painters	12	109	103	119	130	140	143	150	150	150	150	150	175
	Blacksmiths	16	70	114	132	133	140	140	144	151	160	160	170	200
	Blacksmiths' helpers	12	75	121	147	147	147	147	152	156	165	174	174	200
	Machinists	25	510	107	124	125	125	129	144	154	157	158	165	165
	Engineers	13	71	92	96	106	106	106	106	106	106	106	128	158
	Molders	13	159	120	120	120	125	126	137	137	137	138	158	176
	Pattern makers	12	68	120	136	139	139	140	140	140	146	150	158	174
	Foremen	23	34	68	117	117	117	117	120	129	138	157	167	192
	Overseers, textile mills	32	38	88	100	100	111	113	117	125	129	150	157	218
1865 Jan.	Laborers	40	1242	81	133	151	152	159	182	190	190	190	190	198
	Watchmen	13	37	100	115	123	132	145	145	145	145	150	158	159
	Teamsters	11	25	91	91	107	111	133	146	146	146	148	159	233
	Apprentices	12	59	85	85	85	98	116	116	129	129	148	151	189
	Bricklayers	11	55	104	116	125	139	139	150	150	150	160	160	192
	Carpenters	20	211	108	126	128	136	143	150	170	170	170	171	183
	Painters	12	49	103	130	130	143	144	145	150	150	150	164	183
	Blacksmiths	16	70	114	136	151	151	155	155	159	167	176	176	200
	Blacksmiths' helpers	12	71	121	148	148	159	160	167	171	172	172	178	200
	Machinists	25	499	110	127	136	136	149	157	157	164	171	180	181
	Engineers	13	73	96	125	125	125	125	125	125	125	128	135	172
	Molders	13	135	120	136	141	141	142	145	149	149	149	164	176
	Pattern makers	12	56	136	138	145	147	147	150	153	153	159	175	175
	Foremen	22	38	117	127	127	127	129	133	140	143	152	167	225
	Overseers, textile mills	32	39	88	100	102	111	117	120	121	138	150	177	262

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1865 July	Laborers	38	1259	81	144	144	153	155	163	182	190	190	190	190
	Watchmen	13	38	100	117	129	132	145	145	145	145	158	158	175
	Teamsters	11	27	91	91	107	122	142	158	158	158	158	169	233
	Apprentices	10	50	77	77	86	118	118	118	140	140	140	157	189
	Bricklayers	12	97	96	137	143	146	146	150	150	150	150	160	192
	Carpenters	20	245	108	133	140	147	163	163	165	165	165	174	197
	Painters	13	93	104	133	142	143	175	175	175	175	175	195	200
	Blacksmiths	16	65	114	136	150	151	152	164	164	164	173	179	200
	Blacksmiths' helpers	12	67	121	146	146	160	165	170	170	177	177	178	200
	Machinists	25	478	113	134	137	137	144	150	159	166	168	180	183
	Engineers	13	80	96	125	130	130	130	130	130	130	130	139	172
	Molders	13	127	120	142	145	147	147	147	147	149	152	160	176
	Pattern makers	12	53	120	140	144	150	150	159	161	161	175	175	179
	Foremen	23	39	67	128	128	128	129	140	143	150	160	175	225
	Overseers, textile mills	32	39	100	108	111	113	117	120	121	125	150	190	262
1866 Jan.	Laborers	40	1257	104	152	163	174	177	182	190	190	190	190	197
	Watchmen	13	36	100	117	132	150	165	165	174	174	174	174	175
	Teamsters	11	23	100	107	117	122	133	160	160	163	169	169	233
	Apprentices	12	51	77	97	120	122	122	145	145	145	156	156	267
	Bricklayers	11	78	105	105	105	143	143	147	147	150	150	175	225
	Carpenters	20	227	121	135	135	140	143	151	151	171	175	175	197
	Painters	12	60	120	132	140	143	152	152	156	160	175	175	227
	Blacksmiths	15	66	114	132	151	152	156	164	164	165	184	200	217
	Blacksmiths' helpers	12	66	121	147	147	173	173	176	176	177	177	179	200
	Machinists	25	560	120	141	141	143	153	158	168	169	173	180	183
	Engineers	13	70	96	119	130	130	130	130	130	130	132	139	172
	Molders	13	161	120	141	141	147	149	149	153	153	167	170	176
	Pattern makers	13	56	135	142	147	161	161	171	175	176	177	177	180
	Foremen	23	36	98	101	127	127	129	133	150	160	165	171	192
	Overseers, textile mills	32	38	108	111	117	120	133	133	143	129	157	164	262

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1866	July	Laborers	39	1418	104	152	156	158	158	158	173	190	190	190	197
		Watchmen	13	33	100	119	129	150	160	165	174	174	174	174	175
		Teamsters	11	27	100	107	117	122	142	156	156	156	163	169	233
		Apprentices	11	50	81	81	97	106	122	132	154	154	160	160	227
		Bricklayers	12	122	109	147	150	150	150	150	167	167	167	175	225
		Carpenters	19	279	121	143	151	156	156	164	175	175	175	182	203
		Painters	13	103	120	140	143	175	175	175	175	175	177	198	217
		Blacksmiths	16	71	114	145	148	153	158	159	167	167	178	200	217
		Blacksmiths' helpers	11	66	121	151	151	167	172	176	176	176	176	180	200
		Machinists	24	595	121	145	146	149	154	167	169	176	176	180	180
		Engineers	13	71	100	125	131	131	131	131	131	131	132	143	186
		Molders	13	160	120	143	146	150	152	153	155	155	168	171	176
		Pattern makers	13	55	135	142	148	152	173	173	173	176	181	181	186
		Foremen	24	32	98	100	129	139	147	150	150	160	167	183	257
		Overseers, textile mills	32	38	108	111	120	123	133	133	143	157	167	201	262
1867	Jan.	Laborers	39	1534	104	154	170	177	182	182	182	182	190	200	200
		Watchmen	13	35	100	129	129	150	159	165	174	174	174	174	175
		Teamsters	9	22	107	117	122	133	142	156	160	160	169	169	200
		Apprentices	11	58	78	78	97	102	137	150	150	150	164	164	303
		Bricklayers	11	63	109	156	156	166	173	175	175	175	200	200	222
		Carpenters	19	222	121	144	152	153	171	175	175	179	191	191	204
		Painters	12	62	120	137	140	143	146	146	175	175	175	200	217
		Blacksmiths	16	69	114	148	153	159	160	166	168	168	168	200	217
		Blacksmiths' helpers	12	55	121	152	160	176	177	177	177	177	178	180	200
		Machinists	24	591	120	148	148	148	158	167	173	176	180	180	182
		Engineers	13	68	100	116	132	146	146	146	146	146	146	146	193
		Molders	13	159	120	140	143	145	151	151	156	156	167	172	176
		Pattern makers	13	55	139	156	156	172	172	173	175	177	180	186	192
		Foremen	24	33	98	117	129	145	145	150	160	167	180	186	257
		Overseers, textile mills	32	39	108	117	120	125	133	138	150	157	167	201	262

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1867 July	Laborers	39	1164	104	152	157	157	159	162	162	174	200	200	200
	Watchmen	13	36	100	129	140	150	160	165	174	174	174	174	175
	Teamsters	9	22	120	122	133	147	163	163	163	163	169	169	200
	Apprentices	11	59	74	80	80	101	114	114	144	161	183	183	183
	Bricklayers	12	126	109	165	175	175	175	180	180	194	200	250	250
	Carpenters	19	292	121	143	152	152	176	188	188	190	190	203	233
	Painters	13	129	130	152	156	171	200	200	200	200	200	219	219
	Blacksmiths	16	69	114	142	158	158	163	163	166	168	168	200	217
	Blacksmiths' helpers	12	59	121	158	158	167	173	175	177	177	180	200	200
	Machinists	24	526	119	146	149	149	153	167	171	179	180	181	200
	Engineers	13	104	100	132	147	147	147	147	147	147	147	147	193
	Molders	13	165	133	151	151	151	153	154	156	159	163	167	172
	Pattern makers	13	55	143	163	165	168	175	175	175	182	183	203	203
	Foremen	24	36	98	117	139	155	155	155	163	167	180	195	257
	Overseers, textile mills	32	39	115	117	120	133	133	138	150	150	157	175	262
1868 Jan.	Laborers	38	1031	104	150	155	168	175	175	184	184	184	200	200
	Watchmen	13	40	100	129	140	144	160	165	174	174	174	174	174
	Teamsters	9	21	120	133	133	150	163	164	164	164	169	169	200
	Apprentices	12	60	74	92	108	109	109	134	139	151	161	168	197
	Bricklayers	11	89	109	130	147	147	175	184	190	201	201	222	225
	Carpenters	19	287	113	148	151	161	161	166	166	170	175	198	217
	Painters	12	58	120	143	151	151	152	159	171	200	200	205	217
	Blacksmiths	16	57	114	150	156	163	163	163	168	168	168	200	217
	Blacksmiths' helpers	12	45	121	160	167	174	177	177	177	177	180	200	200
	Machinists	24	485	119	146	148	148	154	165	168	180	180	182	200
	Engineers	13	71	100	119	132	144	144	144	144	144	144	150	193
	Molders	13	145	133	147	147	150	150	153	156	158	167	168	174
	Pattern makers	13	52	143	163	165	168	168	175	176	177	177	182	211
	Foremen	22	35	117	131	139	153	153	153	160	171	190	200	257
	Overseers, textile mills	31	37	100	120	122	133	135	142	150	150	157	181	236

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1868	July	Laborers	40	1174	104	150	156	165	165	170	184	185	187	200	205
		Watchmen	13	36	100	129	140	144	159	165	174	174	174	174	176
		Teamsters	9	20	120	133	133	148	159	165	165	165	169	169	200
		Apprentices	12	57	96	106	106	106	129	135	135	147	159	159	213
		Bricklayers	12	167	109	165	175	175	190	213	213	225	225	226	226
		Carpenters	19	346	113	148	151	162	182	182	191	200	200	200	233
		Painters	13	147	120	149	160	175	175	175	175	180	205	216	233
		Blacksmiths	16	61	114	150	152	158	163	163	167	167	186	200	217
		Blacksmiths' helpers	12	47	121	160	160	167	167	177	177	177	180	200	200
		Machinists	24	504	119	143	144	151	158	167	171	173	180	180	200
		Engineers	13	65	100	119	132	144	144	144	144	144	144	158	215
		Molders	13	137	133	147	147	149	150	152	153	156	166	174	174
		Pattern makers	13	54	143	163	167	171	171	175	177	181	181	200	203
		Foremen	23	35	117	131	139	154	154	157	167	171	183	195	257
		Overseers, textile mills	31	37	100	120	122	133	138	142	150	150	157	200	236
1869	Jan.	Laborers	39	2044	104	150	165	188	200	200	200	204	204	205	205
		Watchmen	13	41	100	132	140	144	165	165	174	174	174	174	180
		Teamsters	10	24	111	111	120	133	133	159	165	165	169	169	200
		Apprentices	12	46	113	113	113	116	116	133	133	150	172	175	253
		Bricklayers	12	100	109	160	185	187	188	188	222	225	238	250	250
		Carpenters	19	227	113	149	152	154	169	169	200	200	200	217	233
		Painters	11	56	120	143	171	175	175	175	175	193	193	210	233
		Blacksmiths	16	63	118	150	154	158	163	167	168	168	186	200	217
		Blacksmiths' helpers	12	54	114	160	160	160	167	177	177	178	180	200	200
		Machinists	25	492	120	146	146	152	158	167	170	174	180	180	200
		Engineers	13	81	95	125	143	143	143	143	143	143	143	145	215
		Molders	13	141	133	150	151	153	154	154	155	155	167	173	174
		Pattern makers	13	58	143	160	163	169	177	177	177	181	181	200	209
		Foremen	22	33	117	133	139	151	151	151	167	180	195	200	257
		Overseers, textile mills	31	36	100	117	120	133	133	138	150	157	163	200	236

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1869 July	Laborers	39	2313	104	150	173	192	200	200	205	205	205	212	212
	Watchmen	13	38	100	132	140	144	159	165	174	174	174	174	180
	Teamsters	10	22	100	114	114	133	133	141	141	150	169	169	200
	Apprentices	11	53	103	115	115	116	116	124	143	143	148	176	303
	Bricklayers	11	170	98	175	175	175	182	197	200	217	227	250	250
	Carpenters	19	356	121	153	154	164	164	173	200	200	200	210	233
	Painters	13	134	120	161	161	171	225	225	225	225	225	225	233
	Blacksmiths	17	70	117	150	155	158	163	165	169	169	192	200	307
	Blacksmiths' helpers	11	54	114	160	160	167	175	178	180	180	180	200	200
	Machinists	25	531	120	149	149	153	155	162	171	179	180	180	200
	Engineers	13	72	95	121	132	164	164	164	164	164	164	164	215
	Molders	13	170	133	143	143	150	153	156	161	161	161	175	180
	Pattern makers	13	57	156	160	163	171	171	173	176	177	192	192	207
	Foremen	23	33	117	133	139	146	146	163	171	183	200	200	257
	Overseers, textile mills	31	36	100	114	120	123	133	150	150	157	169	200	236
1870 Jan.	Laborers	40	2264	89	154	180	191	208	208	208	220	220	227	227
	Watchmen	13	42	100	132	136	140	143	165	174	174	174	174	180
	Teamsters	10	23	100	110	114	114	133	141	141	148	169	169	200
	Apprentices	11	53	95	99	105	105	118	121	121	133	138	175	253
	Bricklayers	11	100	117	175	196	196	209	212	213	213	213	250	250
	Carpenters	19	303	121	147	148	151	173	175	188	188	197	210	233
	Painters	12	59	120	140	158	158	160	172	197	205	225	225	233
	Blacksmiths	17	75	118	133	148	158	161	167	167	186	192	200	217
	Blacksmiths' helpers	11	66	114	160	167	174	174	175	178	180	197	200	200
	Machinists	24	553	120	151	153	155	159	165	171	177	180	180	200
	Engineers	13	94	92	132	162	165	165	165	165	165	165	165	236
	Molders	13	155	133	150	153	154	154	156	157	162	166	173	180
	Pattern makers	13	56	150	150	163	177	180	181	181	183	186	192	203
	Foremen	23	31	91	117	133	144	144	163	171	183	195	200	257
	Overseers, textile mills	32	37	100	111	120	123	133	150	163	163	175	200	257

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1870	July	Laborers	40	2125	78	140	165	187	203	204	209	209	220	220	220
		Watchmen	13	38	100	132	136	140	143	165	174	174	174	174	180
		Teamsters	10	26	100	114	115	115	133	133	141	148	159	169	200
		Apprentices	11	52	89	89	97	97	123	123	135	138	138	161	303
		Bricklayers	12	211	126	175	175	190	212	212	212	218	225	225	250
		Carpenters	20	389	121	133	147	153	159	159	170	175	175	233	233
		Painters	13	130	120	156	163	175	175	175	175	175	175	183	233
		Blacksmiths	17	82	109	128	155	158	159	167	168	192	192	200	217
		Blacksmiths' helpers	11	73	107	160	160	160	175	177	177	186	186	186	200
		Machinists	25	516	120	145	147	153	158	167	167	174	180	180	200
		Engineers	13	105	92	132	165	165	165	165	165	165	165	165	236
		Molders	13	157	120	145	153	155	163	163	163	164	166	175	180
		Pattern makers	13	53	139	148	150	173	177	179	184	184	187	200	201
		Foremen	24	30	91	117	133	144	150	163	171	183	200	210	257
		Overseers, textile mills	32	37	75	111	120	123	133	150	163	163	175	200	229
1871	Jan.	Laborers	39	1928	86	157	178	188	198	198	204	220	220	220	220
		Watchmen	13	39	110	140	140	150	159	164	174	174	174	174	180
		Teamsters	10	26	100	115	117	117	133	133	141	148	159	169	200
		Apprentices	10	40	71	71	95	100	130	130	133	138	142	155	164
		Bricklayers	11	121	126	175	175	185	190	196	200	212	212	212	222
		Carpenters	20	539	121	156	173	175	187	187	200	233	233	233	233
		Painters	12	67	130	143	163	163	163	171	175	175	175	212	233
		Blacksmiths	17	82	114	133	156	158	159	161	168	192	192	200	217
		Blacksmiths' helpers	12	63	107	150	160	160	174	175	177	183	183	190	200
		Machinists	25	480	119	145	150	155	160	167	167	175	180	180	200
		Engineers	13	93	92	132	162	166	166	166	166	166	166	166	178
		Molders	13	150	120	143	149	156	156	156	158	167	169	180	181
		Pattern makers	13	57	143	150	151	174	174	177	180	183	184	201	209
		Foremen	24	30	91	117	138	144	150	165	171	183	200	210	257
		Overseers, textile mills	32	38	81	100	117	120	133	150	163	175	182	200	222

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1871 July	Laborers	40	2280	86	166	189	195	200	200	200	200	204	207	207
	Watchmen	13	39	110	140	140	150	159	164	174	174	174	174	180
	Teamsters	10	26	100	117	120	120	133	133	148	148	159	169	200
	Apprentices	11	40	100	102	114	114	114	139	139	146	146	163	177
	Bricklayers	12	326	136	190	200	200	204	212	212	212	212	218	222
	Carpenters	19	560	121	157	157	166	175	175	184	233	233	233	233
	Painters	13	147	133	171	175	175	175	175	175	179	183	214	233
	Blacksmiths	17	90	114	133	155	159	164	168	168	192	192	192	217
	Blacksmiths' helpers	11	79	107	160	160	160	174	174	174	175	177	200	210
	Machinists	24	486	120	142	146	154	154	160	167	177	180	180	200
	Engineers	13	103	92	132	166	166	166	166	166	166	166	166	178
	Molders	13	184	120	143	143	152	153	153	160	160	160	168	180
	Pattern makers	13	60	150	150	151	174	174	176	183	185	191	192	204
	Foremen	24	31	91	117	138	145	150	165	171	183	200	210	257
	Overseers, textile mills	32	38	79	100	117	120	133	150	163	175	194	200	222
1872 Jan.	Laborers	39	1342	86	153	168	179	197	200	200	200	200	201	204
	Watchmen	13	41	110	140	143	150	165	165	174	174	174	174	180
	Teamsters	10	29	100	116	122	133	133	148	150	156	169	200	200
	Apprentices	11	52	100	107	107	107	107	119	140	141	148	168	208
	Bricklayers	12	124	126	183	183	188	195	200	212	212	212	238	238
	Carpenters	19	490	121	157	172	172	172	172	172	175	175	200	233
	Painters	12	85	137	143	166	169	169	169	169	169	169	175	233
	Blacksmiths	16	85	118	138	158	161	162	167	167	174	192	200	217
	Blacksmiths' helpers	10	60	114	150	160	160	173	175	175	175	180	200	210
	Machinists	23	500	119	142	150	155	155	159	167	176	180	180	200
	Engineers	13	79	97	121	133	167	167	167	167	167	167	167	178
	Molders	13	181	105	142	150	157	157	157	157	165	174	176	176
	Pattern makers	12	55	150	150	171	172	172	177	183	185	185	200	205
	Foremen	24	31	91	117	138	154	154	165	171	195	200	210	257
	Overseers, textile mills	32	38	86	111	117	120	133	150	151	182	200	200	222

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1872	July	Laborers	40	2533	86	168	197	200	200	200	201	204	204	207	225
		Watchmen	13	42	110	146	150	150	162	162	174	174	174	175	182
		Teamsters	10	30	100	116	122	133	133	148	156	159	169	205	205
		Apprentices	10	46	111	111	111	123	123	123	128	165	170	170	205
		Bricklayers	12	202	127	177	200	200	200	200	209	212	212	223	223
		Carpenters	19	540	121	157	158	175	175	179	179	179	179	203	233
		Painters	13	156	137	161	175	175	175	184	184	184	196	196	258
		Blacksmiths	16	76	127	141	166	167	169	169	169	183	192	200	217
		Blacksmiths' helpers	11	63	118	150	160	171	173	173	173	186	186	200	222
		Machinists	24	525	117	151	156	156	157	162	162	176	180	180	222
		Engineers	13	85	97	125	164	167	167	167	167	167	167	167	200
		Molders	13	188	105	143	150	157	163	168	168	171	171	176	182
		Pattern makers	12	59	150	150	171	171	172	172	183	185	187	190	229
		Foremen	23	30	91	127	138	145	145	163	171	190	200	210	257
		Overseers, textile mills	32	38	100	113	117	120	133	150	151	182	200	217	286
1873	Jan.	Laborers	41	1922	86	150	165	182	184	189	200	200	200	204	225
		Watchmen	13	41	137	146	150	150	162	162	174	174	174	175	182
		Teamsters	10	26	100	111	113	113	133	133	148	156	163	178	180
		Apprentices	9	40	94	94	94	99	136	136	136	136	141	154	227
		Bricklayers	11	87	127	167	188	196	200	203	212	218	218	222	223
		Carpenters	18	277	121	153	159	159	171	175	175	175	203	233	233
		Painters	12	72	133	143	161	170	170	175	186	190	197	197	258
		Blacksmiths	16	73	127	143	163	163	167	170	174	183	192	200	217
		Blacksmiths' helpers	11	58	118	160	160	171	173	173	173	180	184	214	222
		Machinists	25	566	119	148	152	157	157	161	170	177	180	180	192
		Engineers	13	78	97	124	163	163	163	163	163	163	164	164	200
		Molders	13	173	112	143	155	155	159	160	160	165	175	175	176
		Pattern makers	12	60	150	150	164	171	174	175	175	176	187	187	200
		Foremen	24	35	104	106	142	148	148	157	171	186	200	206	257
		Overseers, textile mills	32	40	100	113	117	120	133	150	151	177	200	207	229

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1873 July	Laborers	41	2299	86	152	177	187	200	200	200	200	204	213	225
	Watchmen	13	42	130	143	146	150	159	159	174	174	174	177	182
	Teamsters	10	27	100	111	116	116	133	133	148	156	163	219	219
	Apprentices	10	53	74	101	101	127	127	127	128	147	177	177	182
	Bricklayers	12	205	115	182	188	188	203	212	212	212	212	225	225
	Carpenters	20	349	121	152	157	161	174	174	175	175	181	193	233
	Painters	13	104	140	143	154	175	175	175	175	175	183	208	258
	Blacksmiths	15	69	127	143	164	164	172	175	182	182	192	200	217
	Blacksmiths' helpers	11	63	121	160	160	171	173	173	173	184	184	214	222
	Machinists	24	500	121	121	121	133	136	136	136	136	139	149	222
	Engineers	13	78	97	124	163	163	163	163	163	163	164	164	200
	Molders	13	178	112	143	157	159	159	167	169	169	171	175	182
	Pattern makers	11	56	163	163	164	175	177	177	179	186	199	200	200
	Foremen	24	37	104	106	139	142	151	151	171	188	200	206	257
	Overseers, textile mills	32	38	89	117	120	133	150	151	160	200	200	211	229
1874 Jan.	Laborers	40	1690	86	149	168	181	186	189	200	200	200	204	207
	Watchmen	13	43	132	137	143	150	151	151	174	174	174	177	182
	Teamsters	10	26	100	100	116	116	122	122	148	156	156	180	267
	Apprentices	10	53	74	102	123	127	133	133	133	133	194	228	228
	Bricklayers	11	140	110	173	175	187	187	200	212	212	212	212	222
	Carpenters	21	308	121	150	150	157	168	169	169	169	172	204	233
	Painters	12	70	140	142	143	160	175	176	176	176	176	204	258
	Blacksmiths	15	64	114	147	147	170	170	172	182	192	192	200	217
	Blacksmiths' helpers	11	51	111	160	160	170	171	174	174	174	180	222	229
	Machinists	24	481	122	143	143	153	157	160	164	177	180	180	222
	Engineers	13	82	95	126	163	163	163	163	163	163	163	164	200
	Molders	11	133	120	143	147	147	151	151	155	164	168	170	182
	Pattern makers	11	44	139	150	150	170	172	172	174	174	187	194	207
	Foremen	24	35	104	110	142	150	154	163	171	200	200	206	257
	Overseers, textile mills	32	38	100	117	120	131	134	150	154	175	190	200	200

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1874 July	Laborers	41	1671	86	150	173	173	176	184	189	200	200	200	206
	Watchmen	13	43	132	137	143	146	156	156	174	174	174	177	182
	Teamsters	10	26	100	111	116	116	116	125	148	156	156	180	267
	Apprentices	9	49	74	101	108	129	139	143	143	143	191	220	220
	Bricklayers	12	196	115	116	171	175	175	175	193	212	212	214	223
	Carpenters	21	358	121	150	157	165	165	169	178	188	188	191	233
	Painters	13	127	140	143	156	156	175	175	175	175	175	193	258
	Blacksmiths	15	59	114	147	149	166	168	168	182	182	192	200	217
	Blacksmiths' helpers	11	55	107	160	170	171	171	174	174	174	180	222	229
	Machinists	23	442	128	144	151	155	158	163	166	180	180	180	222
	Engineers	13	86	97	126	163	163	163	163	163	163	164	164	200
	Molders	11	136	120	142	142	144	155	158	158	168	168	168	182
	Patternmakers	11	44	139	150	150	167	170	170	177	177	181	182	243
	Foremen	24	35	100	110	142	150	154	157	171	183	200	206	257
	Overseers, textile mills	32	38	89	120	130	133	134	150	154	175	200	207	291
1875 Jan.	Laborers	40	1258	91	135	150	160	160	166	200	200	200	200	206
	Watchmen	13	46	118	137	138	146	153	153	174	174	174	175	182
	Teamsters	10	28	100	111	116	116	117	133	137	144	144	163	250
	Apprentices	10	34	74	107	107	117	130	139	143	173	173	200	236
	Bricklayers	12	86	105	150	156	156	157	157	163	200	200	212	212
	Carpenters	20	271	121	143	150	157	160	175	175	175	175	191	233
	Painters	12	75	140	143	145	145	145	156	164	175	179	179	258
	Blacksmiths	15	61	105	130	138	149	168	168	172	182	192	200	217
	Blacksmiths' helpers	10	50	100	100	157	160	160	162	162	162	180	200	222
	Machinists	23	403	125	137	141	144	144	146	147	152	155	166	222
	Engineers	13	92	100	125	162	162	162	162	162	162	164	164	200
	Molders	11	126	105	132	142	143	155	155	157	157	169	169	182
	Pattern makers	11	43	120	120	155	159	161	161	175	177	177	187	243
	Foremen	24	32	104	117	142	142	156	156	175	182	200	200	257
	Overseers, textile mills	32	38	100	121	133	133	150	151	158	164	188	200	217

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1875	July	Laborers	41	1395	91	130	144	150	152	161	161	166	200	200	204
		Watchmen	13	47	118	136	136	144	144	146	174	174	174	175	182
		Teamsters	10	28	100	111	116	116	116	133	137	144	144	218	218
		Apprentices	11	36	88	97	120	120	127	127	149	173	173	200	215
		Bricklayers	11	136	117	160	160	160	163	163	163	184	187	193	212
		Carpenters	20	347	121	135	141	142	155	157	160	160	160	189	233
		Painters	13	125	128	143	159	159	175	175	175	175	178	215	258
		Blacksmiths	16	68	105	120	138	153	155	156	156	173	182	200	217
		Blacksmiths' helpers	10	50	100	100	160	163	163	163	164	164	180	200	222
		Machinists	24	420	118	128	140	144	144	144	144	152	155	164	222
		Engineers	13	88	100	125	163	163	163	163	163	163	164	164	200
		Molders	10	131	105	132	143	143	150	150	150	155	161	161	182
		Pattern makers	11	55	125	146	146	146	155	159	171	177	177	178	200
		Foremen	24	31	91	108	140	150	157	171	179	182	200	200	257
		Overseers, textile mills	32	39	89	121	131	133	139	144	158	164	200	207	229
1876	Jan.	Laborers	40	1000	82	130	141	148	152	166	167	200	200	200	204
		Watchmen	13	47	118	136	136	146	148	148	159	167	167	167	177
		Teamsters	9	29	100	111	116	116	133	137	144	144	163	201	201
		Apprentices	8	30	99	106	106	122	124	124	143	161	163	227	227
		Bricklayers	11	104	105	140	141	144	150	174	203	203	212	212	212
		Carpenters	19	265	119	131	133	143	149	150	157	178	178	233	233
		Painters	10	40	114	114	140	142	142	167	175	175	175	183	250
		Blacksmiths	15	59	95	106	124	154	154	154	167	182	192	200	217
		Blacksmiths' helpers	10	45	93	93	140	150	163	163	163	180	180	222	222
		Machinists	22	426	68	127	128	144	144	144	144	148	153	159	222
		Engineers	11	86	100	125	163	163	163	163	163	163	163	164	200
		Molders	10	117	105	128	130	149	149	149	149	154	158	158	172
		Pattern makers	11	53	125	136	141	149	149	153	166	166	175	176	200
		Foremen	24	34	91	105	137	150	157	167	167	171	195	200	257
		Overseers, textile mills	32	39	89	121	125	135	143	159	164	180	194	207	229

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1876	July	Laborers	40	1453	82	120	120	126	139	139	142	151	200	200	204
		Watchmen	13	45	118	137	137	142	142	146	150	163	163	163	177
		Teamsters	10	28	100	111	114	114	114	133	144	144	163	197	197
		Apprentices	11	55	63	78	78	117	117	124	143	147	164	187	199
		Bricklayers	12	192	102	139	141	150	150	150	163	175	179	179	194
		Carpenters	20	316	119	133	137	140	140	152	157	176	176	176	194
		Painters	12	126	114	115	125	125	172	175	175	175	175	225	233
		Blacksmiths	15	63	95	106	124	138	138	141	146	165	182	189	214
		Blacksmiths' helpers	10	49	93	93	141	141	141	150	150	160	180	222	222
		Machinists	24	401	110	125	128	135	143	144	144	150	150	157	222
		Engineers	12	85	100	125	164	164	165	165	165	165	165	165	236
		Molders	10	104	105	119	130	137	137	137	137	153	156	156	162
		Pattern makers	11	51	100	134	134	134	139	141	158	158	165	168	200
		Foremen	23	33	91	108	137	139	160	162	165	171	195	200	231
		Overseers, textile mills	32	39	89	121	128	135	150	159	164	176	194	200	229
1877	Jan.	Laborers	40	1270	86	100	124	124	142	150	152	160	160	160	211
		Watchmen	13	46	91	129	136	142	142	146	150	151	151	159	177
		Teamsters	11	29	100	111	113	113	113	117	133	137	144	160	163
		Apprentices	10	43	73	81	117	117	119	119	127	127	171	187	244
		Bricklayers	12	69	103	125	138	138	144	144	144	163	163	163	180
		Carpenters	20	283	109	119	125	125	125	128	138	143	143	184	200
		Painters	11	60	114	131	131	131	131	140	150	175	175	197	233
		Blacksmiths	15	61	105	108	138	138	138	141	153	165	183	200	200
		Blacksmiths' helpers	11	48	93	93	130	141	141	144	150	150	175	180	222
		Machinists	23	400	109	115	115	123	123	133	137	141	145	155	222
		Engineers	11	96	103	125	160	160	160	160	160	160	160	164	236
		Molders	10	97	97	115	124	135	136	136	140	147	159	159	162
		Pattern makers	11	50	100	100	134	134	141	156	156	156	163	167	200
		Foremen	24	33	94	104	136	136	150	165	165	171	186	200	231
		Overseers, textile mills	29	35	89	120	125	133	136	150	157	164	169	180	226

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1877	July	Laborers	40	1188	86	100	118	118	120	132	132	134	146	160	211
		Watchmen	13	46	91	136	136	144	144	146	150	151	151	159	177
		Teamsters	10	30	100	111	113	113	113	117	133	137	144	156	163
		Apprentices	10	44	68	68	78	102	109	109	125	125	143	187	267
		Bricklayers	12	176	103	138	138	138	139	139	139	146	153	153	178
		Carpenters	20	342	109	123	125	125	125	125	131	139	153	157	200
		Painters	12	199	114	125	125	125	125	125	125	135	140	157	233
		Blacksmiths	15	61	91	110	133	138	138	141	143	161	165	183	200
		Blacksmiths' helpers	11	46	79	79	130	141	141	141	150	150	171	180	222
		Machinists	23	403	106	115	115	121	128	132	132	137	146	154	222
		Engineers	11	91	100	125	149	149	149	149	149	149	149	164	236
		Molders	12	108	97	115	123	124	129	135	138	147	147	159	162
		Pattern makers	11	48	100	100	130	134	134	134	153	153	171	186	200
		Foremen	24	33	84	117	137	137	150	163	165	167	186	200	214
		Overseers, textile mills	32	38	89	117	125	133	150	150	157	164	171	180	226
1878	Jan.	Laborers	40	897	82	100	120	125	127	127	137	142	160	160	211
		Watchmen	13	46	111	122	122	142	142	146	148	156	156	156	177
		Teamsters	10	31	100	113	113	113	113	119	133	137	141	158	163
		Apprentices	10	44	66	88	88	106	106	108	108	137	176	176	267
		Bricklayers	11	73	105	125	125	126	126	126	136	150	156	156	178
		Carpenters	20	195	91	117	119	123	125	125	126	142	155	157	200
		Painters	11	86	92	116	125	125	125	127	127	140	165	193	233
		Blacksmiths	15	60	91	101	133	138	138	141	149	161	183	200	200
		Blacksmiths' helpers	11	48	79	79	130	140	140	144	150	151	180	180	222
		Machinists	23	427	106	115	115	122	126	130	135	137	144	150	222
		Engineers	11	101	100	111	148	149	149	149	149	149	149	149	236
		Molders	12	117	97	116	124	126	129	136	138	148	149	159	162
		Pattern makers	11	49	113	124	124	124	130	130	145	160	160	167	172
		Foremen	23	31	84	127	127	133	150	160	165	165	180	200	214
		Overseers, textile mills	32	38	89	119	128	133	141	150	164	171	182	184	200

TABLE 39—(CONTINUED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1878	July	Laborers	39	1207	82	100	113	123	123	125	131	131	139	160	222
		Watchmen	13	44	111	122	122	142	142	146	148	156	156	156	177
		Teamsters	11	30	100	106	113	113	113	117	133	133	137	163	167
		Apprentices	9	45	58	99	99	108	108	125	125	140	140	167	200
		Bricklayers	11	156	113	113	113	113	127	131	131	142	158	158	178
		Carpenters	20	278	91	121	123	125	125	125	133	142	151	157	183
		Painters	13	157	92	125	125	125	125	125	125	134	140	189	221
		Blacksmiths	15	62	91	99	125	125	134	138	138	148	151	200	200
		Blacksmiths' helpers	11	49	79	109	135	135	135	140	140	150	180	180	200
		Machinists	22	387	104	115	115	119	126	134	134	137	141	150	222
		Engineers	11	91	100	111	148	149	149	149	149	149	149	149	236
		Molders	12	110	105	116	122	122	126	134	136	144	147	158	162
		Pattern makers	11	44	113	122	122	122	126	130	145	160	160	167	172
		Foremen	23	33	84	125	125	133	148	148	150	160	180	200	214
		Overseers, textile mills	32	38	89	119	128	133	141	150	167	180	184	188	218
1879	Jan.	Laborers	41	1005	82	98	110	120	122	124	124	125	139	160	194
		Watchmen	13	38	107	111	122	125	142	144	144	146	146	159	177
		Teamsters	11	30	100	106	111	114	114	114	125	133	138	158	160
		Apprentices	8	38	87	87	101	101	105	119	119	128	128	160	163
		Bricklayers	11	88	97	97	113	113	134	134	134	143	150	156	178
		Carpenters	20	179	91	116	124	125	125	129	136	144	145	157	183
		Painters	11	79	92	114	125	125	125	125	129	140	189	212	212
		Blacksmiths	16	64	91	101	120	125	131	131	133	148	151	200	200
		Blacksmiths' helpers	11	50	79	109	132	132	132	137	137	150	180	180	200
		Machinists	23	414	98	115	115	118	126	128	128	133	138	151	222
		Engineers	12	119	98	129	148	149	149	149	149	149	149	149	215
		Molders	13	107	97	116	124	125	125	134	134	140	148	154	162
		Pattern makers	11	43	115	115	122	122	122	123	130	140	157	157	167
		Foremen	23	31	79	122	124	128	139	150	160	171	180	188	214
		Overseers, textile mills	32	38	113	128	133	133	160	164	175	184	186	200	225

TABLE 39—(Continued).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date		Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1879	July	Laborers	41	1343	82	99	100	120	120	122	125	125	127	150	194
		Watchmen	13	39	107	111	122	125	137	140	142	142	142	159	177
		Teamsters	11	30	100	111	112	112	112	112	133	133	138	167	167
		Apprentices	10	54	86	86	86	99	105	121	121	140	145	145	163
		Bricklayers	12	199	97	113	113	113	125	128	134	136	136	152	178
		Carpenters	18	295	91	118	125	125	125	127	127	144	144	157	183
		Painters	12	141	90	117	132	143	150	150	150	150	150	221	221
		Blacksmiths	16	66	91	101	125	125	131	131	133	134	137	200	200
		Blacksmiths' helpers	11	54	79	130	132	132	135	135	135	144	178	180	180
		Machinists	24	420	98	115	115	115	125	128	130	131	135	146	189
		Engineers	13	107	98	117	148	149	149	149	149	149	149	149	215
		Molders	13	121	97	117	122	125	129	133	133	134	135	154	154
		Pattern makers	11	51	119	119	123	130	130	130	130	133	138	157	167
		Foremen	22	26	79	122	128	128	139	150	158	171	180	200	238
		Overseers, textile mills	32	38	113	128	133	133	160	166	167	175	186	200	225
1880	Jan.	Laborers	41	1127	92	105	117	121	122	123	124	124	130	156	194
		Watchmen	13	35	107	111	122	122	137	137	142	142	142	159	177
		Teamsters	11	33	100	111	115	115	115	115	133	137	142	167	167
		Apprentices	11	64	87	87	87	104	105	113	113	145	155	155	189
		Bricklayers	12	80	100	100	100	125	128	128	128	150	161	161	167
		Carpenters	19	248	91	118	124	125	128	133	136	136	149	149	183
		Painters	12	70	97	100	127	127	127	129	143	150	150	200	200
		Blacksmiths	16	66	91	91	130	132	132	133	137	137	154	200	200
		Blacksmiths' helpers	11	61	79	120	133	133	133	133	150	150	178	210	210
		Machinists	24	463	106	124	127	128	130	130	132	133	140	146	189
		Engineers	13	114	98	129	148	163	163	163	163	163	163	163	215
		Molders	13	143	97	117	126	129	130	133	134	140	140	140	146
		Pattern makers	11	59	118	118	129	129	129	130	132	135	136	154	167
		Foremen	20	24	79	120	130	130	139	150	160	165	180	188	213
		Overseers, textile mills	32	38	113	128	133	150	163	166	167	182	200	207	229

TABLE 39—(CONCLUDED).

Relative rates of wages of men in fifteen occupations: January and July, 1860-1880.

Date	Occupation	No. of series	No. of persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1880 July	Laborers	41	1472	92	115	120	123	125	127	132	134	134	159	194
	Watchmen	13	35	107	111	122	125	137	142	146	146	146	159	177
	Teamsters	11	33	100	111	111	114	114	125	133	137	142	146	167
	Apprentices	11	60	93	93	93	101	105	113	133	141	151	151	160
	Bricklayers	12	164	100	100	100	100	108	129	129	150	158	159	159
	Carpenters	19	428	91	124	126	131	142	145	150	150	152	157	183
	Painters	13	164	105	129	141	150	150	150	150	150	159	200	208
	Blacksmiths	16	72	91	101	132	132	132	137	149	153	157	200	200
	Blacksmiths' helpers	10	67	93	120	134	134	134	156	160	160	167	210	210
	Machinists	24	663	106	127	132	135	136	136	142	150	151	162	189
	Engineers	13	80	98	111	145	148	164	164	164	164	164	164	215
	Molders	13	151	97	123	123	129	135	135	140	142	142	147	162
	Pattern makers	11	62	119	119	132	140	141	141	141	144	147	156	167
	Foremen	22	27	79	100	124	139	150	160	167	171	194	195	225
	Overseers, textile mills	32	38	125	128	133	138	163	171	176	181	200	213	229

years following, again a sharper rise during the speculative period preceding 1873, and a quicker and more violent fall after the crisis. Indeed, from July, 1877, to July, 1880, the unskilled workers have the lowest relative wages of any grade, though in the early '70's they had had the highest[3] wages.

f.—Relative Wages of Groups Based Upon Initial Wages.

The classification of wage-earners according to the actual wages received at some period is less common in making tables of relative wages than the classification according to industries or occupations. But it has quite as much significance as either of these other classifications; for persons earning low wages form an economic group differing in important respects from persons receiving high wages—as is shown, for example, by all large collections of family budgets. Accordingly I have arranged the

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[3] The deciles for unskilled workers are perhaps unduly influenced by one series for laborers which represents the pay of a large and widely fluctuating body of city employees (establishment 35). If this one series be excluded, helpers of craftsmen are found having higher wages than unskilled laborers over two-thirds of the time. The validity of the above remark about the greater mobility of the wages of unskilled laborers, however, is as true of the revised as of the original series. The effect on the medians of excluding the series for unskilled laborers is shown by the following figures:

		Unskilled Workers		
		As in Table 40	Lab'rs, 35 excluded	Helpers of Craftsmen
1860	Jan.	100	100	100
	July	100	100	100
1861	Jan.	100	100	100
	July	90	98	100
1862	Jan.	100	99	100
	July	100	97	110
1863	Jan.	125	111	116
	July	125	114	124
1864	Jan.	150	140	127
	July	160	135	143
1865	Jan.	182	152	153
	July	159	155	153
1866	Jan.	177	174	173
	July	158	158	167
1867	Jan.	182	182	177
	July	162	159	180
1868	Jan.	175	175	184
	July	165	165	184
1869	Jan.	200	191	184
	July	200	205	184
1870	Jan.	208	208	184
	July	204	203	184
1871	Jan.	198	198	196
	July	200	195	196
1872	Jan.	200	175	196
	July	200	201	196
1873	Jan.	184	182	184
	July	200	187	178
1874	Jan.	189	181	176
	July	184	173	180
1875	Jan.	166	160	190
	July	161	150	175
1876	Jan.	166	148	174
	July	139	139	162
1877	Jan.	150	134	164
	July	132	125	161
1878	Jan.	127	127	144
	July	126	123	157
1879	Jan.	124	122	163
	July	125	122	159
1880	Jan.	123	122	160
	July	127	127	160

TABLE 40.

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880. Data obtained from the exhibits of the Aldrich Report.

NOTE.—For method of construction, see notes upon Table 33.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1860 Jan.	All grades			100	100	100	100	100	100	100	100	100	100	100
1860 July	Unskilled workers	62	2904	97	99	100	100	100	100	100	100	100	100	110
	Helpers of craftsmen	41	410	79	100	100	100	100	100	100	100	102	114	137
	Skilled craftsmen	158	1778	85	98	98	100	100	100	100	100	100	102	125
	Foremen and overseers	53	68	75	100	100	100	100	100	100	100	100	101	110
1861 Jan.	Unskilled workers	60	2338	81	99	100	100	100	100	100	100	100	103	149
	Helpers of craftsmen	40	423	79	97	100	100	100	100	100	100	100	114	138
	Skilled craftsmen	152	1517	82	99	100	100	100	100	100	101	102	108	140
	Foremen and overseers	53	66	75	85	100	100	100	100	100	100	104	109	125
1861 July	Unskilled workers	59	2028	72	90	90	90	90	90	96	98	98	100	129
	Helpers of craftsmen	41	527	84	95	100	100	100	100	100	100	104	119	132
	Skilled craftsmen	153	1549	72	90	97	99	100	100	100	102	105	113	136
	Foremen and overseers	55	70	75	85	100	100	100	100	100	105	106	111	125
1862 Jan.	Unskilled workers	58	1502	80	99	99	100	100	100	100	100	100	100	142
	Helpers of craftsmen	43	512	89	97	100	100	100	100	100	101	109	114	180
	Skilled craftsmen	154	1320	74	96	97	100	100	100	103	107	108	117	200
	Foremen and overseers	54	70	83	85	100	100	100	100	100	106	106	113	137
1862 July	Unskilled workers	60	1799	80	91	97	100	100	100	100	100	100	103	142
	Helpers of craftsmen	45	493	90	98	100	100	104	110	111	113	113	114	180
	Skilled craftsmen	155	1381	75	95	99	100	101	102	104	109	113	119	200
	Foremen and overseers	54	72	75	83	85	100	100	100	102	102	107	113	137

TABLE 40—(CONTINUED).

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1863 Jan.	Unskilled workers	61	1354	73	102	111	125	125	125	125	125	125	133	142
	Helpers of craftsmen	44	436	80	100	108	110	113	116	116	117	131	131	188
	Skilled craftsmen	154	1191	82	96	100	101	103	105	110	114	121	133	240
	Foremen and overseers	54	71	78	97	100	100	100	100	103	109	114	120	218
1863 July	Unskilled workers	61	1708	73	111	114	114	125	125	125	125	125	125	167
	Helpers of craftsmen	45	535	42	100	110	114	117	124	126	141	141	168	202
	Skilled craftsmen	157	1457	87	100	103	105	108	112	113	117	126	133	240
	Foremen and overseers	52	72	78	100	100	100	101	101	106	112	117	125	218
1864 Jan.	Unskilled workers	62	1672	74	119	136	140	145	150	150	150	150	150	173
	Helpers of craftsmen	45	623	75	99	110	117	121	127	134	149	149	204	204
	Skilled craftsmen	157	1433	89	106	111	114	120	120	125	130	136	145	280
	Foremen and overseers	51	63	78	100	100	110	114	117	120	125	133	150	218
1864 July	Unskilled workers	64	1578	73	130	135	135	142	160	180	180	180	180	233
	Helpers of craftsmen	45	668	77	109	120	125	141	143	165	168	169	169	200
	Skilled craftsmen	162	1793	92	110	122	125	131	137	145	150	157	162	280
	Foremen and overseers	55	72	68	100	111	117	117	120	129	135	150	167	218
1865 Jan.	Unskilled workers	64	1304	81	131	150	152	159	182	186	190	190	190	233
	Helpers of craftsmen	46	593	63	112	132	144	145	153	169	169	172	187	210
	Skilled craftsmen	161	1556	96	125	133	136	145	150	157	163	171	175	320
	Foremen and overseers	54	77	88	102	117	121	127	127	135	143	150	171	262
1865 July	Unskilled workers	62	1324	81	144	144	153	155	159	182	190	190	190	233
	Helpers of craftsmen	46	594	73	124	134	147	150	153	169	169	178	187	215
	Skilled craftsmen	164	1637	96	130	137	140	147	150	159	164	168	175	320
	Foremen and overseers	55	78	67	110	113	120	128	128	129	143	157	175	262

TABLE 40—(CONTINUED).

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1866 Jan.	Unskilled workers	64	1316	100	151	160	174	177	177	182	190	190	190	233
	Helpers of craftsmen	44	573	84	123	140	147	153	173	179	184	184	187	211
	Skilled craftsmen	161	1702	96	132	141	143	149	153	165	169	173	180	280
	Foremen and overseers	55	74	98	111	120	127	129	133	150	157	165	175	262
1866 July	Unskilled workers	63	1478	100	152	156	158	158	158	173	190	190	190	233
	Helpers of craftsmen	45	605	73	136	146	150	153	167	179	184	184	187	211
	Skilled craftsmen	162	1925	100	135	146	150	155	164	170	175	178	185	280
	Foremen and overseers	56	70	98	111	120	129	136	147	150	157	167	190	262
1867 Jan.	Unskilled workers	61	1591	100	152	165	177	179	182	182	182	182	200	200
	Helpers of craftsmen	46	631	63	135	146	153	154	177	184	184	187	187	211
	Skilled craftsmen	159	1760	100	143	148	150	156	166	172	175	178	180	280
	Foremen and overseers	56	72	98	117	123	133	142	145	150	163	170	195	262
1867 July	Unskilled workers	61	1222	100	150	157	157	159	162	162	174	200	200	200
	Helpers of craftsmen	45	625	84	134	141	158	160	180	184	184	200	201	220
	Skilled craftsmen	161	1947	100	144	149	153	163	166	175	180	184	200	280
	Foremen and overseers	56	75	98	117	123	133	142	150	155	160	167	195	262
1868 Jan.	Unskilled workers	60	1092	100	150	155	168	175	175	184	184	184	200	200
	Helpers of craftsmen	44	527	73	132	153	170	179	184	184	184	200	201	201
	Skilled craftsmen	159	1743	100	143	148	151	161	165	167	174	180	188	280
	Foremen and overseers	53	72	100	120	131	138	150	153	153	160	171	195	257
1868 July	Unskilled workers	62	1230	100	150	156	165	165	165	184	185	185	200	205
	Helpers of craftsmen	44	557	84	137	153	172	179	184	184	184	201	201	238
	Skilled craftsmen	162	1992	100	143	148	156	167	173	175	180	190	213	280
	Foremen and overseers	54	72	100	120	131	138	150	154	157	163	171	195	257

TABLE 40—(CONTINUED).

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1869 Jan.	Unskilled workers	62	2109	100	145	162	188	191	200	200	204	204	205	205
	Helpers of craftsmen	45	615	63	139	153	160	172	184	184	200	220	224	225
	Skilled craftsmen	161	1732	95	143	149	157	164	170	174	179	181	205	280
	Foremen and overseers	53	69	100	117	133	133	150	151	157	164	180	200	257
1869 July	Unskilled workers	62	2373	100	144	172	180	200	200	205	205	205	212	212
	Helpers of craftsmen	44	687	63	145	160	175	179	184	184	184	200	224	247
	Skilled craftsmen	164	2120	95	143	153	160	164	171	175	180	200	225	307
	Foremen and overseers	54	69	100	117	123	133	146	150	157	171	188	200	257
1870 Jan.	Unskilled workers	63	2329	89	154	175	191	208	208	208	220	220	227	227
	Helpers of craftsmen	44	713	84	151	165	175	184	184	184	184	200	224	224
	Skilled craftsmen	162	2018	92	144	153	157	165	170	174	180	188	213	280
	Foremen and overseers	55	68	91	117	120	133	144	150	163	171	195	200	257
1870 July	Unskilled workers	63	2189	78	140	163	187	203	204	209	209	220	220	220
	Helpers of craftsmen	44	775	84	152	172	175	184	184	184	184	206	224	245
	Skilled craftsmen	166	2318	92	142	153	160	165	172	175	180	192	212	280
	Foremen and overseers	56	67	75	117	120	133	144	150	163	171	195	207	257
1871 Jan.	Unskilled workers	62	1993	86	157	178	180	198	198	204	220	220	220	220
	Helpers of craftsmen	45	704	97	150	166	175	180	196	196	196	196	224	224
	Skilled craftsmen	164	2192	92	144	156	163	168	175	180	187	192	217	280
	Foremen and overseers	56	68	81	111	117	133	144	163	169	175	195	200	257
1871 July	Unskilled workers	63	2345	86	164	175	195	200	200	200	200	204	207	207
	Helpers of craftsmen	40	697	100	150	174	180	181	196	196	196	200	224	250
	Skilled craftsmen	164	2850	92	146	155	163	174	179	184	200	212	212	280
	Foremen and overseers	56	69	79	111	117	133	145	163	167	182	200	200	257

TABLE 40—(CONTINUED).

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1872 Jan.	Unskilled workers	62	1412	86	147	164	176	197	200	200	200	200	201	204
	Helpers of craftsmen	38	761	73	150	171	175	196	196	196	196	204	224	224
	Skilled craftsmen	160	2266	97	143	155	159	167	172	174	180	189	205	280
	Foremen and overseers	56	69	86	114	117	138	150	154	167	190	200	207	257
1872 July	Unskilled workers	63	2605	86	165	189	200	200	200	201	201	204	207	225
	Helpers of craftsmen	40	727	115	155	167	180	190	196	196	196	200	248	298
	Skilled craftsmen	162	2528	97	149	157	163	170	175	179	183	198	209	280
	Foremen and overseers	55	68	91	117	120	138	145	151	165	188	200	214	286
1873 Jan.	Unskilled workers	64	1989	86	146	165	182	184	184	200	200	200	204	225
	Helpers of craftsmen	40	504	91	155	160	172	175	184	204	204	225	298	298
	Skilled craftsmen	160	2074	97	143	155	159	163	171	176	180	198	203	258
	Foremen and overseers	56	75	100	113	120	138	148	150	163	186	200	207	257
1873 July	Unskilled workers	64	2368	86	150	176	187	189	200	200	200	204	213	225
	Helpers of craftsmen	43	577	94	154	161	173	175	178	200	204	223	248	261
	Skilled craftsmen	161	2180	97	145	157	161	167	175	179	192	200	212	258
	Foremen and overseers	56	75	89	110	120	139	150	151	164	200	200	207	257
1874 Jan.	Unskilled workers	63	1759	85	149	168	181	186	189	200	200	200	204	267
	Helpers of craftsmen	42	726	89	155	155	164	166	176	203	204	222	261	261
	Skilled craftsmen	158	1982	95	143	147	157	161	169	175	180	183	212	258
	Foremen and overseers	56	73	100	117	125	138	150	154	165	181	200	200	257
1874 July	Unskilled workers	64	1740	86	150	170	173	173	184	189	200	200	200	267
	Helpers of craftsmen	42	547	77	160	164	172	175	180	199	199	201	250	261
	Skilled craftsmen	159	2088	97	140	155	159	164	169	175	180	189	193	258
	Foremen and overseers	56	73	89	120	131	138	150	154	165	181	200	206	291

TABLE 40—(CONTINUED.)

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1875 Jan.	Unskilled workers	63	1332	91	132	150	160	160	166	200	200	200	200	250
	Helpers of craftsmen	39	547	95	158	162	173	175	190	199	199	243	243	243
	Skilled craftsmen	157	1711	100	137	144	147	155	160	166	172	175	187	258
	Foremen and overseers	56	70	100	117	133	139	150	156	159	175	188	200	257
1875 July	Unskilled workers	64	1470	91	130	144	147	150	161	161	166	200	200	218
	Helpers of craftsmen	40	473	95	143	160	163	172	175	179	195	195	223	243
	Skilled craftsmen	158	1931	100	137	144	147	155	160	163	173	177	187	258
	Foremen and overseers	56	70	89	117	133	139	144	156	164	179	200	206	257
1876 Jan.	Unskilled workers	62	1076	82	123	141	146	150	166	166	200	200	200	204
	Helpers of craftsmen	41	467	73	140	150	157	163	174	195	195	197	243	243
	Skilled craftsmen	149	1723	68	128	140	143	144	150	157	163	177	178	250
	Foremen and overseers	56	73	89	120	133	137	150	163	167	175	194	200	257
1876 July	Unskilled workers	63	1526	82	120	120	126	139	139	142	151	200	200	204
	Helpers of craftsmen	42	470	93	134	141	156	157	162	172	182	195	197	224
	Skilled craftsmen	155	2016	95	128	137	140	146	150	155	157	168	176	240
	Foremen and overseers	55	72	89	121	133	137	150	162	164	175	194	200	231
1877 Jan.	Unskilled workers	64	1345	86	100	124	124	142	150	152	160	160	160	211
	Helpers of craftsmen	43	471	93	130	133	144	157	164	178	195	218	224	229
	Skilled craftsmen	153	1769	97	117	125	133	138	144	146	146	155	164	236
	Foremen and overseers	53	68	89	117	128	136	150	153	164	167	176	200	231
1877 July	Unskilled workers	63	1264	86	100	117	118	121	132	132	142	150	160	211
	Helpers of craftsmen	43	464	63	120	138	144	157	161	162	176	176	178	234
	Skilled craftsmen	156	2125	91	120	125	129	137	140	146	147	149	159	236
	Foremen and overseers	56	71	84	117	128	137	150	157	164	167	175	195	226

TABLE 40—(CONCLUDED).

Relative rates of wages of men belonging to four industrial grades: January and July, 1860-1880.

Date	Grades	No. of Series	No. of Persons	Lowest	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest
1878 Jan.	Unskilled workers	63	974	82	100	116	125	127	127	137	142	156	160	211
	Helpers of craftsmen	43	490	79	120	134	141	141	144	161	176	178	224	234
	Skilled craftsmen	154	1786	91	115	125	127	136	141	146	153	153	159	250
	Foremen and overseers	55	69	84	119	127	133	141	150	165	169	182	188	214
1878 July	Unskilled workers	63	1281	82	100	113	123	123	126	131	131	141	160	222
	Helpers of craftsmen	43	463	63	120	134	142	148	157	162	171	176	183	215
	Skilled craftsmen	155	2005	91	115	123	125	134	137	145	148	149	158	250
	Foremen and overseers	55	71	84	119	128	133	143	150	160	169	182	188	218
1879 Jan.	Unskilled workers	65	1073	82	98	110	120	122	124	124	125	142	160	194
	Helpers of craftsmen	43	495	79	119	134	142	148	163	175	176	176	205	212
	Skilled craftsmen	157	1784	91	115	124	127	131	138	144	144	149	155	250
	Foremen and overseers	55	69	79	124	128	133	143	160	169	180	185	200	225
1879 July	Unskilled workers	65	1412	82	99	100	120	120	125	125	125	127	150	194
	Helpers of craftsmen	44	559	77	114	134	142	148	159	175	175	178	178	202
	Skilled craftsmen	159	2089	90	115	122	127	130	135	141	142	148	152	250
	Foremen and overseers	54	64	79	128	130	133	143	160	166	171	185	200	238
1880 Jan.	Unskilled workers	65	1195	92	105	117	121	122	123	124	124	130	156	194
	Helpers of craftsmen	44	607	75	116	129	143	148	160	175	175	178	187	215
	Skilled craftsmen	160	1951	91	120	127	130	132	136	141	141	148	161	255
	Foremen and overseers	52	62	79	128	133	138	150	160	166	176	186	200	229
1880 July	Unskilled workers	65	1540	92	115	120	123	125	127	132	134	134	159	194
	Helpers of craftsmen	43	620	70	120	130	140	150	160	169	175	178	197	210
	Skilled craftsmen	161	2520	91	122	129	132	137	140	142	150	152	162	250
	Foremen and overseers	54	65	79	124	133	138	160	167	175	181	195	207	229

TABLE 41.

Average distribution of men belonging to four industrial grades over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 40 in the same fashion as Table 34 is based upon Table 33.

Average number of points in the scale of relative wages between	Unskilled workers	Helpers of craftsmen	Skilled craftsmen	Foremen & overseers
Lowest relative wages and 1st deciles	40.6	47.6	33.8	24.7
1st and 2d deciles	11.9	11.0	7.3	7.8
2d and 3d deciles	7.8	7.8	3.8	7.7
3d and 4th deciles	4.8	5.2	5.4	8.3
4th deciles and Medians	3.8	7.3	4.5	5.6
Medians and 6th deciles	5.0	7.5	4.5	6.6
6th and 7th deciles	4.0	3.7	4.6	9.5
7th and 8th deciles	4.5	8.1	6.3	11.1
8th and 9th deciles	5.5	17.4	10.3	11.5
9th deciles and highest relative wages	26.1	20.5	78.6	50.4
Lowest and highest relative wages	114.0	136.1	159.1	143.2

series in five groups, on the basis of the daily rates of wages in January, 1860, and made both deciles and arithmetic means for each group.[4] The lowest of these groups—persons receiving from 25 to 99 cents a day in 1860—includes all but two of the series for females; it is therefore the only group in which it is necessary to segregate the sexes.

Table 42, which gives the deciles for the five wage-groups, shows that each of these groups, like each industry and occupation, has wide diversity of relative wages and consistency of general trend. All share in the great upward movement culminating in the early '70's, and in the great downward movement in the later '70's; all show an advance in 1880, and all end with relative wages well above the level of 1860. Comparisons between the variations of relative wages of the several groups can again be made more easily from the table of arithmetic means. According to this table, there was a definite relation between actual wages and increase in rates of wages during the civil war. The lower the actual wages of a group, the greater was the rela-

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[4] Four series for males and three for females can not be used in this classification, because the form of statement does not show accurately the *per diem* rates.

TABLE 42.

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880. Data obtained from the exhibits of the Aldrich Report.

NOTE.—For method of construction, see notes upon Table 33.

Date	Sex	Wage-group	No. of Series	No. of Persons	Low-est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1860 Jan.	M & F	.25- .99	134	1369	100	100	100	100	100	100	100	100	100	100	100
	F	.25- .99	44	621	100	100	100	100	100	100	100	100	100	100	100
	M	.25- .99	90	748	100	100	100	100	100	100	100	100	100	100	100
	M	1.00-1.49	169	2765	100	100	100	100	100	100	100	100	100	100	100
	M	1.50-1.99	113	709	100	100	100	100	100	100	100	100	100	100	100
	M	2.00-2.49	47	684	100	100	100	100	100	100	100	100	100	100	100
	M	2.50 +	27	53	100	100	100	100	100	100	100	100	100	100	100
1860 July	M & F	.25- .99	132	1538	41	97	99	100	100	100	100	100	103	105	137
	F	.25- .99	42	587	89	97	97	100	100	100	100	103	105	105	119
	M	.25- .99	90	951	41	98	99	100	100	100	100	100	101	105	137
	M	1.00-1.49	164	3268	79	98	100	100	100	100	100	100	100	100	140
	M	1.50-1.99	114	757	85	98	99	100	100	100	100	100	102	102	117
	M	2.00-2.49	49	766	75	100	100	100	100	100	100	100	100	100	113
	M	2.50 +	28	52	100	100	100	100	100	100	100	100	100	101	104
1861 Jan.	M & F	.25- .99	125	1283	70	87	98	99	100	100	101	103	107	113	147
	F	.25- .99	39	576	70	86	97	99	99	100	102	107	107	110	136
	M	.25- .99	86	707	71	88	99	100	100	100	101	102	106	113	147
	M	1.00-1.49	161	2881	77	99	100	100	100	100	100	100	100	104	149
	M	1.50-1.99	113	730	82	97	99	100	100	101	102	103	108	108	126
	M	2.00-2.49	47	589	75	100	100	100	100	100	100	100	100	100	125
	M	2.50 +	28	49	83	100	100	100	100	100	100	100	100	104	104
1861 July	M & F	.25- .99	133	1408	60	90	96	97	99	100	104	105	111	121	143
	F	.25- .99	44	548	60	87	95	98	100	105	111	111	120	121	134
	M	.25- .99	89	860	71	92	97	97	98	100	100	104	104	119	143
	M	1.00-1.49	161	2582	72	90	90	90	90	91	98	100	100	104	170
	M	1.50-1.99	113	821	75	96	97	97	99	100	100	101	107	118	122
	M	2.00-2.49	51	450	72	90	90	98	100	100	100	100	100	100	125
	M	2.50 +	27	48	83	100	100	100	100	100	100	100	100	105	120

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1862 Jan.	M & F	.25- .99	133	1244	60	84	97	98	100	100	101	105	113	121	180
	F	.25- .99	44	543	60	80	96	100	101	101	102	113	119	121	152
	M	.25- .99	89	701	74	92	97	97	99	99	100	103	108	120	180
	M	1.00-1.49	165	2182	78	97	99	100	100	100	100	100	101	107	160
	M	1.50-1.99	113	821	75	96	99	100	100	101	105	108	111	120	200
	M	2.00-2.49	47	218	74	88	97	100	100	100	100	100	100	111	120
	M	2.50 +	27	49	83	87	100	100	100	100	100	100	106	106	150
1862 July	M & F	.25- .99	136	1240	60	91	91	98	101	103	104	109	114	122	180
	F	.25- .99	43	474	60	80	100	102	104	111	114	114	121	122	152
	M	.25- .99	93	766	74	91	91	97	100	101	103	104	109	119	180
	M	1.00-1.49	164	2344	78	95	97	100	100	100	100	100	107	113	160
	M	1.50-1.99	115	830	75	97	100	101	102	104	106	109	113	132	200
	M	2.00-2.49	49	302	75	88	99	100	100	100	100	100	100	113	125
	M	2.50 +	27	57	83	83	100	100	100	100	100	100	102	102	150
1863 Jan.	M & F	.25- .99	130	988	60	97	100	103	104	107	109	117	123	145	188
	F	.25- .99	43	422	60	99	102	104	105	107	107	116	121	123	160
	M	.25- .99	87	566	62	97	100	102	104	106	110	119	135	146	188
	M	1.00-1.49	168	1951	80	100	109	115	117	125	125	125	125	131	240
	M	1.50-1.99	113	748	73	99	101	103	105	108	112	115	122	158	200
	M	2.00-2.49	48	217	78	89	100	100	100	100	105	105	112	113	150
	M	2.50 +	27	58	82	82	97	97	100	100	100	100	100	100	150
1863 July	M & F	.25- .99	119	1173	60	100	105	106	108	114	114	117	121	132	202
	F	.25- .99	39	415	60	100	100	105	106	106	106	116	121	130	152
	M	.25- .99	80	758	61	100	105	114	114	114	114	118	122	146	202
	M	1.00-1.49	168	2249	42	105	111	114	122	125	125	125	125	141	240
	M	1.50-1.99	114	849	73	102	103	107	112	113	116	126	126	143	200
	M	2.00-2.49	48	321	78	98	100	100	105	110	110	113	113	117	150
	M	2.50 +	27	68	87	100	100	100	100	100	100	101	101	106	150

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1864 Jan.	M & F	.25- .99	123	1227	87	99	101	106	114	121	128	134	136	146	205
	F	.25- .99	39	505	93	99	100	101	101	104	114	121	128	130	162
	M	.25- .99	84	722	87	99	110	119	124	134	136	136	139	162	205
	M	1.00-1.49	171	2388	75	110	117	125	140	149	150	150	150	165	280
	M	1.50-1.99	113	887	73	110	114	119	120	120	125	132	141	147	200
	M	2.00-2.49	48	264	78	100	106	107	112	113	125	125	125	132	175
	M	2.50 +	28	62	92	95	100	100	100	100	100	113	117	120	150
1864 July	M & F	.25- .99	134	1401	83	102	109	117	123	130	135	137	145	160	233
	F	.25- .99	44	625	90	101	109	109	109	119	125	128	137	141	164
	M	.25- .99	90	776	83	105	117	129	135	135	135	145	150	175	233
	M	1.00-1.49	177	2455	77	117	130	134	141	152	168	175	180	180	280
	M	1.50-1.99	117	1009	73	114	123	125	129	135	143	151	158	165	200
	M	2.00-2.49	51	399	88	106	110	125	133	150	150	150	150	150	192
	M	2.50 +	28	59	68	100	100	100	100	108	117	117	120	150	183
1865 Jan.	M & F	.25- .99	132	1269	63	110	118	129	134	140	143	155	159	173	233
	F	.25- .99	43	580	82	110	117	118	130	134	134	134	140	143	202
	M	.25- .99	89	689	63	117	129	143	148	159	159	159	171	180	233
	M	1.00-1.49	177	2176	63	126	139	149	152	160	170	186	190	190	320
	M	1.50-1.99	117	903	91	127	136	136	141	149	153	164	171	176	206
	M	2.00-2.49	50	284	88	119	125	125	136	150	150	150	155	163	225
	M	2.50 +	27	56	96	100	108	117	120	120	127	127	129	140	200
1865 July	M & F	.25- .99	130	1459	77	123	130	135	147	151	155	155	163	170	233
	F	.25- .99	43	707	100	121	129	131	132	147	151	151	156	168	202
	M	.25- .99	87	752	77	123	135	147	153	155	155	155	169	179	233
	M	1.00-1.49	174	2140	73	131	143	147	153	165	169	182	190	190	320
	M	1.50-1.99	119	914	91	133	137	137	144	149	153	165	170	180	229
	M	2.00-2.49	51	364	100	121	130	138	149	150	154	163	164	175	225
	M	2.50 +	28	61	67	96	108	117	120	120	128	128	129	140	200

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1866 Jan.	M & F	.25- .99	137	1740	77	126	144	154	165	165	173	177	177	186	267
	F	.25- .99	45	830	90	124	144	151	158	165	165	165	175	189	222
	M	.25- .99	92	910	77	133	153	159	167	175	177	177	177	185	267
	M	1.00-1.49	173	2027	84	132	146	152	160	174	179	187	190	190	280
	M	1.50-1.99	116	991	100	137	141	143	147	153	163	171	173	180	229
	M	2.00-2.49	50	306	100	120	130	130	143	150	164	175	175	175	192
	M	2.50 +	29	60	96	101	109	120	120	120	127	129	133	145	250
1866 July	M & F	.25- .99	134	1792	80	134	150	158	158	165	175	178	185	189	242
	F	.25- .99	43	783	104	134	148	159	165	178	178	178	186	198	202
	M	.25- .99	91	1009	80	132	152	158	158	158	168	175	185	187	242
	M	1.00-1.49	169	2133	73	138	150	156	156	167	177	187	190	190	280
	M	1.50-1.99	118	1079	100	142	146	147	152	157	167	171	178	180	229
	M	2.00-2.49	51	415	100	129	131	148	150	160	175	175	175	175	257
	M	2.50 +	29	54	98	100	109	120	120	120	129	133	147	150	250
1867 Jan.	M & F	.25- .99	135	2210	78	140	153	165	177	182	182	182	187	191	333
	F	.25- .99	44	829	87	136	147	153	165	179	182	188	188	192	242
	M	.25- .99	91	1381	78	147	156	174	177	182	182	182	182	182	308
	M	1.00-1.49	170	1924	63	139	150	153	165	175	177	184	191	200	280
	M	1.50-1.99	115	1071	100	143	148	148	152	157	167	172	180	180	229
	M	2.00-2.49	47	256	114	130	146	146	152	166	175	175	175	185	257
	M	2.50 +	29	57	98	108	113	120	120	120	133	140	145	160	250
1867 July	M & F	.25- .99	136	1797	74	138	157	157	162	166	175	181	186	194	250
	F	.25- .99	45	795	80	130	150	162	175	179	182	186	189	194	250
	M	.25- .99	91	1002	74	141	157	157	157	162	166	174	176	194	225
	M	1.00-1.49	170	1964	84	140	150	155	162	162	176	184	200	200	280
	M	1.50-1.99	116	1067	100	143	149	152	156	164	170	178	180	183	233
	M	2.00-2.49	48	410	114	147	147	157	174	175	188	188	200	200	257
	M	2.50 +	29	69	98	113	120	120	120	120	131	142	155	157	250

TABLE 42—(Continued).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Low-est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1868 Jan.	M & F	.25- .99	137	1752	74	134	153	164	167	172	176	180	184	191	257
	F	.25- .99	45	755	80	130	156	160	167	173	176	177	191	192	250
	M	.25- .99	92	997	74	135	151	165	165	172	177	184	184	184	256
	M	1.00-1.49	165	1770	73	140	150	154	165	170	175	184	198	200	280
	M	1.50-1.99	115	942	100	143	148	150	158	164	168	177	180	183	250
	M	2.00-2.49	47	301	100	130	144	149	168	175	175	175	200	200	257
	M	2.50 +	27	67	100	117	120	120	120	120	130	142	153	153	250
1868 July	M & F	.25- .99	135	1838	80	136	154	159	165	170	172	175	179	193	256
	F	.25- .99	45	811	80	135	157	161	170	172	172	179	190	193	250
	M	.25- .99	90	1027	80	136	153	157	165	165	172	175	177	204	256
	M	1.00-1.49	170	1925	84	140	151	157	168	182	184	185	200	200	280
	M	1.50-1.99	116	1046	100	143	144	151	158	166	171	180	180	207	257
	M	2.00-2.49	49	442	100	144	163	173	175	175	190	200	200	213	257
	M	2.50 +	28	65	100	117	120	120	120	120	131	142	154	157	250
1869 Jan.	M & F	.25- .99	136	1924	80	138	155	165	174	175	179	192	204	204	263
	F	.25- .99	45	807	80	138	154	161	172	175	175	179	186	193	250
	M	.25- .99	91	1117	80	143	155	165	174	177	190	204	204	204	263
	M	1.00-1.49	169	2665	63	140	153	163	182	188	200	200	200	205	280
	M	1.50-1.99	116	984	100	143	146	152	159	165	172	178	180	185	257
	M	2.00-2.49	49	343	100	143	143	163	175	190	200	205	213	250	257
	M	2.50 +	28	67	95	109	120	120	120	120	120	133	151	167	250
1869 July	M & F	.25- .99	134	1982	80	138	157	168	175	178	187	208	212	212	303
	F	.25- .99	45	822	80	136	155	167	172	178	178	190	202	208	270
	M	.25- .99	89	1160	80	139	157	174	175	181	212	212	212	212	303
	M	1.00-1.49	170	3069	63	140	157	167	177	184	200	200	205	205	325
	M	1.50-1.99	120	1171	100	143	149	153	158	163	171	180	180	197	307
	M	2.00-2.49	50	494	100	163	164	175	200	200	200	222	225	225	257
	M	2.50 +	28	68	95	100	120	120	120	120	120	133	146	174	250

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1870 Jan.	M & F	.25- .99	134	2189	77	141	157	167	174	179	191	208	208	208	270
	F	.25- .99	45	817	77	139	152	163	167	179	179	184	191	214	270
	M	.25- .99	89	1372	79	141	160	170	175	192	208	208	208	208	261
	M	1.00-1.49	172	2878	84	140	156	170	184	188	197	220	220	227	325
	M	1.50-1.99	119	1104	100	142	153	154	157	166	170	180	180	192	257
	M	2.00-2.49	49	442	100	150	165	166	175	188	200	213	213	225	257
	M	2.50 +	29	70	91	112	117	120	120	120	120	133	144	160	250
1870 July	M & F	.25- .99	133	1923	77	137	154	170	178	179	186	197	209	209	303
	F	.25- .99	44	804	77	135	157	170	177	179	179	186	197	205	270
	M	.25- .99	89	1119	78	137	151	170	178	186	186	209	209	209	303
	M	1.00-1.49	173	3077	84	140	153	167	178	184	203	204	220	220	325
	M	1.50-1.99	121	1138	100	143	148	155	160	163	171	180	180	210	257
	M	2.00-2.49	51	698	75	163	165	175	175	175	212	212	212	212	257
	M	2.50 +	29	64	91	112	117	120	120	120	120	133	144	160	250
1871 Jan.	M & F	.25- .99	134	2050	78	144	165	175	190	191	200	207	207	227	301
	F	.25- .99	45	854	78	150	167	184	191	191	200	208	227	237	270
	M	.25- .99	86	1206	71	140	157	170	181	191	195	198	198	198	301
	M	1.00-1.49	172	2821	97	146	162	175	178	188	196	204	220	220	325
	M	1.50-1.99	120	1177	93	144	150	157	163	169	180	180	200	233	257
	M	2.00-2.49	50	441	81	150	166	166	175	175	175	212	212	212	257
	M	2.50 +	29	61	91	109	117	120	120	120	120	133	144	165	250
1871 July	M & F	.25- .99	131	2085	71	142	164	174	184	193	196	198	200	225	301
	F	.25- .99	45	879	78	152	169	179	195	196	196	211	225	261	270
	M	.25- .99	89	1196	79	141	163	174	184	198	201	207	207	207	301
	M	1.00-1.49	167	3138	99	147	164	175	189	195	196	200	200	204	300
	M	1.50-1.99	120	1366	93	144	152	154	160	167	180	180	204	233	257
	M	2.00-2.49	51	958	79	166	175	175	190	200	212	212	212	212	257
	M	2.50 +	29	54	91	109	117	120	120	120	136	138	148	183	250

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Low-est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1872 Jan.	M & F	.25 -.99	133	1789	79	139	155	169	183	197	203	208	217	230	307
	F	.25- .99	45	852	80	150	174	186	200	213	217	217	221	233	289
	M	.25- .99	88	937	79	135	143	159	168	179	197	198	205	205	307
	M	1.00-1.49	166	2697	73	147	163	172	175	180	196	200	200	203	300
	M	1.50-1.99	116	1121	110	146	152	155	158	163	167	177	180	188	257
	M	2.00-2.49	51	419	86	121	167	167	175	175	195	212	212	222	257
	M	2.50 +	29	70	91	117	120	120	120	120	120	126	150	160	250
1872 July	M & F	.25- .99	132	2191	80	143	164	177	192	198	207	207	213	229	307
	F	.25- .99	44	875	80	150	173	186	196	202	213	213	229	259	289
	M	.25- .99	88	1316	86	139	158	174	190	198	204	207	207	207	307
	M	1.00-1.49	168	3501	103	154	171	180	196	200	200	200	201	204	300
	M	1.50-1.99	118	1239	110	148	156	157	162	163	171	177	180	192	286
	M	2.00-2.49	51	562	111	151	167	175	175	175	200	200	212	212	257
	M	2.50 +	28	68	91	117	120	120	120	120	120	127	145	160	250
1873 Jan.	M & F	.25- .99	131	1952	80	139	157	172	184	184	193	198	207	225	304
	F	.25- .99	44	819	80	150	169	186	193	200	207	212	223	241	296
	M	.25- .99	87	1133	86	136	153	165	177	184	184	184	198	200	304
	M	1.00-1.49	170	2654	91	140	155	167	175	189	200	200	200	204	300
	M	1.50-1.99	116	1149	110	143	155	157	160	165	171	177	180	196	258
	M	2.00-2.49	50	405	100	150	163	167	175	175	189	212	212	212	257
	M	2.50 +	29	74	97	106	120	120	120	120	120	139	148	160	250
1873 July	M & F	.25- .99	134	2010	74	143	159	176	192	201	211	213	222	232	304
	F	.25- .99	45	818	80	150	171	192	194	200	215	222	223	232	273
	M	.25- .99	89	1192	74	132	155	170	178	201	201	213	213	213	304
	M	1.00-1.49	171	3039	94	140	161	173	180	189	200	200	200	204	300
	M	1.50-1.99	117	1148	110	145	157	158	160	169	175	180	195	200	258
	M	2.00-2.49	51	541	89	163	164	175	175	175	188	200	212	212	257
	M	2.50 +	29	70	97	106	115	120	120	120	120	139	151	160	250

TABLE 42—(Continued).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1874 Jan.	M & F	.25- .99	131	1930	51	137	149	168	174	183	186	191	195	218	267
	F	.25- .99	44	802	74	145	160	173	191	195	195	196	218	221	227
	M	.25- .99	87	1128	51	133	148	156	168	183	183	186	186	203	267
	M	1.00-1.49	171	2626	88	143	155	166	172	181	200	200	201	204	300
	M	1.50-1.99	114	1032	91	137	145	151	157	160	169	180	180	191	258
	M	2.00-2.49	51	428	100	150	150	163	168	175	212	212	212	212	257
	M	2.50 +	29	76	95	110	117	120	120	120	120	125	142	160	250
1874 July	M & F	.25- .99	131	1887	51	138	151	164	176	184	189	189	204	217	267
	F	.25- .99	44	806	74	147	152	172	187	199	204	204	214	218	252
	M	.25- .99	87	1081	51	137	149	156	170	180	184	184	189	199	267
	M	1.00-1.49	169	2538	77	144	160	166	173	174	189	200	200	204	336
	M	1.50-1.99	116	1036	91	142	145	157	160	164	170	180	180	193	258
	M	2.00-2.49	51	486	89	155	163	166	175	175	183	188	202	212	257
	M	2.50 +	29	78	97	110	117	120	120	120	120	133	154	160	250
1875 Jan.	M & F	.25- .99	131	1906	63	134	148	153	160	165	172	176	181	199	252
	F	.25- .99	43	793	64	143	148	161	173	180	181	181	191	200	252
	M	.25- .99	88	1113	63	130	144	149	160	160	163	172	172	184	250
	M	1.00-1.49	165	1979	88	130	150	160	166	175	199	200	200	204	297
	M	1.50-1.99	114	941	91	133	141	144	147	152	157	163	171	192	258
	M	2.00-2.49	50	296	82	125	151	162	162	164	175	175	175	206	257
	M	2.50 +	29	77	100	110	120	120	120	120	120	133	150	160	250
1875 July	M & F	.25- .99	130	1911	63	133	146	158	161	167	175	177	183	198	252
	F	.25- .99	43	823	64	145	152	161	170	182	183	183	190	205	252
	M	.25- .99	87	1088	63	130	144	149	161	161	163	177	177	191	243
	M	1.00-1.49	168	2110	88	130	144	150	155	163	166	179	200	200	329
	M	1.50-1.99	116	1042	77	133	140	144	144	152	155	160	173	191	258
	M	2.00-2.49	50	412	82	128	153	160	160	163	163	164	175	175	257
	M	2,50 +	29	57	91	105	117	120	120	120	133	140	158	179	250

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1876 Jan.	M & F	.25- .99	130	1709	57	125	141	145	155	171	177	178	180	189	252
	F	.25- .99	43	800	57	138	148	155	175	179	179	186	189	189	252
	M	.25- .99	87	909	78	124	138	141	145	158	167	177	177	177	230
	M	1.00-1.49	163	1780	68	128	142	150	157	164	175	197	200	200	403
	M	1.50-1.99	110	1004	63	127	133	143	144	148	149	159	172	200	250
	M	2.00-2.49	50	319	72	125	150	150	150	163	163	174	206	212	257
	M	2.50 +	29	65	91	105	108	108	108	120	133	137	153	167	220
1876 July	M & F	.25- .99	133	2058	57	129	139	139	152	155	163	168	172	182	252
	F	.25- .99	43	890	57	138	150	162	168	168	174	174	178	182	252
	M	.25- .99	90	1168	63	124	137	139	139	147	155	155	157	175	237
	M	1.00-1.49	168	2150	82	120	126	128	142	150	157	165	195	200	286
	M	1.50-1.99	111	958	63	120	128	135	138	144	147	153	163	181	233
	M	2.00-2.49	51	468	72	125	140	140	150	150	165	175	175	177	231
	M	2.50 +	28	77	91	102	108	108	108	108	125	135	140	162	220
1877 Jan.	M & F	.25- .99	129	1970	56	124	126	134	145	146	155	158	170	174	252
	F	.25- .99	42	855	56	130	145	156	156	156	168	171	171	176	252
	M	.25- .99	87	1115	73	122	124	126	132	145	146	146	151	172	244
	M	1.00-1.49	166	1977	83	112	129	142	145	152	157	160	160	187	270
	M	1.50-1.99	111	890	72	115	117	124	133	137	142	147	158	180	233
	M	2.00-2.49	49	319	72	125	125	125	133	142	150	160	160	171	231
	M	2.50 +	29	53	94	103	106	108	120	130	133	139	150	165	200
1877 July	M & F	.25- .99	132	2096	56	127	132	137	146	147	154	163	168	175	267
	F	.25- .99	43	890	56	131	150	157	163	163	168	168	171	180	252
	M	.25- .99	89	1206	68	124	132	132	136	141	147	147	150	171	267
	M	1.00-1.49	168	1894	63	100	118	121	131	140	145	157	160	176	236
	M	1.50-1.99	114	955	72	115	120	128	132	137	141	147	153	164	233
	M	2.00-2.49	51	527	72	125	125	125	125	125	138	140	149	150	208
	M	2.50 +	29	65	84	103	108	108	108	117	128	133	139	165	200

TABLE 42—(CONTINUED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Low-est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1878 Jan.	M & F	.25- .99	131	2058	57	125	127	137	148	153	159	168	171	175	267
	F	.25- .99	43	894	57	131	148	159	164	168	169	171	171	183	252
	M	.25- .99	88	1164	57	120	127	127	137	142	153	153	153	169	267
	M	1.00-1.49	167	1606	79	100	120	126	140	141	144	155	160	176	236
	M	1.50-1.99	112	878	65	115	117	124	128	135	137	145	154	161	233
	M	2.00-2.49	50	300	68	123	125	125	125	133	149	149	149	150	208
	M	2.50 +	28	67	84	100	108	108	108	108	127	130	133	165	250
1878 July	M & F	.25- .99	131	2191	57	125	131	135	145	148	153	167	174	179	283
	F	.25- .99	43	938	57	131	144	155	164	167	168	175	179	200	252
	M	.25- .99	88	1253	57	121	131	131	131	140	148	148	148	171	283
	M	1.00-1.49	165	1827	63	100	118	123	125	134	142	156	160	176	236
	M	1.50-1.99	115	958	65	115	117	123	127	134	137	144	151	159	214
	M	2.00-2.49	51	437	68	113	125	125	125	125	125	136	149	150	208
	M	2.50 +	27	81	84	103	108	108	108	108	120	128	133	148	250
1879 Jan.	M & F	.25- .99	130	2090	56	119	124	131	141	144	153	165	171	179	261
	F	.25- .99	44	917	56	129	141	153	165	165	169	171	177	184	261
	M	.25- .99	86	1173	83	118	124	124	128	138	144	144	144	169	232
	M	1.00-1.49	170	1691	79	100	115	122	125	135	144	152	160	176	260
	M	1.50-1.99	114	891	75	115	117	126	128	134	138	143	151	160	214
	M	2.00-2.49	50	315	73	113	125	125	125	131	149	149	149	154	225
	M	2.50 +	28	80	79	97	97	108	108	108	117	124	133	150	250
1879 July	M & F	.25- .99	132	2292	57	122	125	128	140	142	147	160	168	179	269
	F	.25- .99	44	947	57	132	144	151	160	160	163	171	171	200	269
	M	.25- .99	88	1345	83	121	125	125	125	133	142	142	142	163	254
	M	1.00-1.49	171	1965	77	99	111	120	120	130	137	144	160	178	221
	M	1.50-1.99	115	1047	75	115	118	125	127	130	133	140	145	157	208
	M	2.00-2.49	51	455	73	113	119	125	125	131	149	149	150	150	225
	M	2.50 +	26	73	79	97	100	108	108	108	117	128	130	140	250

TABLE 42—(CONCLUDED).

Relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880.

Date	Sex	Wage-group	No. of Series	No. of Persons	Low-est	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	High-est
1880 Jan.	M & F	.25- .99	135	2256	57	121	124	130	141	141	154	164	170	177	254
	F	.25- .99	45	939	57	132	149	158	164	164	170	175	175	213	252
	M	.25- .99	90	1317	84	119	124	124	128	136	141	141	150	167	254
	M	1.00-1.49	172	1924	75	103	118	122	126	133	140	148	160	178	218
	M	1.50-1.99	115	952	80	118	126	128	130	130	133	137	147	161	229
	M	2.00-2.49	51	295	80	111	123	125	125	133	150	163	163	163	213
	M	2.50 +	25	72	79	100	108	108	108	108	113	122	133	140	250
1880 July	M & F	.25- .99	134	2468	60	115	132	134	140	140	152	163	173	186	311
	F	.25- .99	45	960	60	132	151	156	163	163	173	173	177	208	311
	M	.25- .99	89	1508	84	115	124	134	134	134	140	140	146	169	254
	M	1.00-1.49	171	2289	70	115	123	126	127	136	144	152	160	175	238
	M	1.50-1.99	116	1219	80	124	129	132	135	136	141	150	155	160	229
	M	2.00-2.49	51	434	80	100	122	128	150	150	150	150	150	164	225
	M	2.50 +	27	83	79	108	108	113	120	120	120	124	138	160	250

TABLE 43.

Average distribution of wage-earners belonging to five wage-groups over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 42 in the same fashion as Table 34 is based upon Table 33.

Average number of points in the scale of relative wages between	Less than $1.00	$1.00-1.49	$1.50-1.99	$2.00 2.49	$2.50 and over
Lowest relative wages and 1st decile	55.0	44.5	38.9	38.5	13.8
1st and 2d deciles	11.2	11.9	5.0	9.6	6.4
2d and 3d deciles	7.5	6.6	3.7	6.9	2.3
3d and 4th deciles	7.7	6.6	3.6	3.4	0.7
4th deciles and Medians	4.1	6.7	4.4	4.2	0.9
Medians and 6th deciles	5.8	7.4	5.0	9.3	4.8
6th and 7th deciles	5.8	5.9	6.2	5.4	7.0
7th and 8th deciles	5.7	5.5	6.0	3.9	8.8
8th and 9th deciles	9.7	6.1	12.5	5.2	12.3
9th deciles and highest relative wages	67.7	86.9	53.5	44.5	69.9
Lowest and highest relative wages	180.2	188.1	138.9	130.9	126.9

tive increase in the rates of pay. To this rule there was one exception;—persons receiving less than a dollar a day in 1860 received a smaller relative increase in pay than persons receiving $1.00-$1.49 a day. In *A History of the Greenbacks* it was suggested that this connection between actual wages and advance of relative wages was due to the more severe pressure which the increased cost of living put upon wage-earners with small incomes. The apparent exception of persons earning less than a dollar a day in 1860 was accounted for on the ground that the family responsibilities of the lowest-paid workers were on the average less than those of men earning a dollar or more a day. For this reason the increased cost of living embarrassed the lowest group less than the next higher group.[5] The plausibility of this explanation is not diminished by the fact that the symmetrical movement of the relative wages of the groups is seriously marred after the war. For the tables of retail prices indicate that the cost of living declined after 1865 or 1866, and that relative wages were as a whole higher than relative prices by 1868, if not earlier. From this time on, increased cost of living was not the dominating factor in the situation, and therefore did not produce its

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[5] Pp. 305, 306.

TABLE 44.

Arithmetic means of relative rates of wages of all employees, classified according to sex and initial wages: January and July, 1860-1880. Data obtained from the exhibits of the Aldrich report.

NOTE.—Compare with Table 42. On method of computing arithmetic means, see pp. 94, 95.

Daily wages in Jan., 1860		Less than $1.00			$1.00-1.49	$1.50-1.99	$2.00-2.49	$2.50 & over
Sex		Males	Females	Both sexes	Males	Males	Males	Males
Number of series		94	45	139	177	121	52	29
Average no. of persons		1039	762	1801	2358	990	423	65
1860	Jan.	100	100	100	100	100	100	100
	July	101	101	101	100	100	100	100
1861	Jan.	101	102	101	102	102	100	99
	July	101	106	103	95	102	98	100
1862	Jan.	102	104	103	101	105	99	100
	July	103	108	105	102	108	100	98
1863	Jan.	114	110	112	119	116	103	98
	July	117	110	114	122	119	108	101
1864	Jan.	120	112	122	140	127	117	106
	July	137	120	129	152	138	136	113
1865	Jan.	150	130	141	161	150	142	123
	July	152	143	148	163	152	149	122
1866	Jan.	166	159	163	167	157	150	126
	July	164	167	165	168	160	158	128
1867	Jan.	173	169	172	170	161	161	131
	July	164	170	167	169	166	176	133
1868	Jan.	169	168	168	169	165	169	133
	July	168	169	168	173	168	180	134
1869	Jan.	179	170	175	181	166	186	132
	July	185	178	182	182	167	196	131
1870	Jan.	184	172	180	188	167	188	131
	July	182	175	179	184	168	188	131
1871	Jan.	180	191	185	187	176	181	131
	July	187	195	190	184	176	192	134
1872	Jan.	179	201	190	181	166	181	131
	July	190	199	193	189	169	184	130
1873	Jan.	178	197	186	183	169	182	132
	July	189	200	193	183	172	184	132
1874	Jan.	172	184	177	182	164	181	130
	July	173	185	178	178	167	179	130
1875	Jan.	160	170	164	177	157	166	131
	July	162	171	166	166	156	162	135
1876	Jan.	157	169	162	169	154	165	128
	July	149	163	155	155	148	156	124
1877	Jan.	142	156	148	150	141	144	130
	July	143	159	150	141	139	134	125
1878	Jan.	143	162	152	143	137	138	124
	July	142	164	151	138	136	132	121
1879	Jan.	137	162	148	138	135	137	119
	July	136	161	146	134	133	135	119
1880	Jan.	138	165	149	138	135	140	119
	July	140	166	150	141	140	140	125

characteristic effects upon rates of wages. During these later years the lead was held sometimes by men receiving less than a dollar in 1860, sometimes by the $1.00-$1.49 group, sometimes by the $2.00-$2.49 group. But all of the time, the highest group had the lowest relative wages.[6]

The comparison between the wages of males and females, afforded by the lowest group, gives the same results as previous comparisons of the sexes:—men have the higher relative wages during the war; the relations vary for the next few years; women are always in the lead after 1870. A fairer comparison may be made, however, by taking smaller wage-groups, because there are over 40 times as many men as there are women earning 75-99 cents a day in 1860. The table which follows shows the relative wages of males and of females paid 25-49 and 50-74 cents at the start. In the lower group males have the higher relative wages at every date but one until 1879; in the higher group females have the higher relative wages after January, 1865.

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[6] The large series of laborers (city public works, establishment 35), which was excluded from the grade of unskilled workers in the note on p. 145, belongs to the wage-group of $1.00-$1.49. The effect of excluding it here is as follows:

		$1.00—$1.49		Less than $1
		As in Table 40	Lab'rs, 35, excluded	
1860	Jan.	100	100	100
	July	100	100	101
1861	Jan.	102	104	101
	July	95	99	101
1862	Jan.	101	102	102
	July	102	103	103
1863	Jan.	119	115	114
	July	122	121	117
1864	Jan.	140	135	120
	July	152	142	137
1865	Jan.	161	153	150
	July	163	155	152
1866	Jan.	167	160	166
	July	168	161	164
1867	Jan.	170	164	173
	July	169	165	164
1868	Jan.	169	165	169
	July	173	170	168
1869	Jan.	181	175	179
	July	182	178	185
1870	Jan.	188	179	184
	July	184	175	182
1871	Jan.	187	178	180
	July	184	179	187
1872	Jan.	181	175	179
	July	189	185	190
1873	Jan.	183	178	178
	July	183	177	189
1874	Jan.	182	176	172
	July	178	174	173
1875	Jan.	177	170	160
	July	166	160	162
1876	Jan.	169	162	157
	July	155	147	149
1877	Jan.	150	148	142
	July	141	139	143
1878	Jan.	143	141	143
	July	138	136	142
1879	Jan.	138	137	137
	July	134	133	136
1880	Jan.	138	137	138
	July	141	140	140

TABLE 45.

Arithmetic means of relative rates of wages of males and females receiving initial wages of 25-49 and 50-74 cents per day: January and July, 1860-1880.

Data obtained from the exhibits of the Aldrich Report.

NOTE.—On method of computing arithmetic means, see pp. 94, 95.

Daily wages in Jan. 1860		25-49 cents			50-74 cents		
Sex		Males	Females	Both sexes	Males	Females	Both sexes
Number of series		13	16	29	23	26	49
Av. number of persons		96	195	291	105	550	655
1860	Jan.	100	100	100	100	100	100
	July	105	101	103	101	101	101
1861	Jan.	101	100	101	99	102	101
	July	105	100	102	101	108	106
1862	Jan.	106	105	106	103	104	104
	July	113	105	109	106	109	108
1863	Jan.	123	106	115	115	111	112
	July	127	113	119	118	109	111
1864	Jan.	135	123	129	124	109	112
	July	138	130	133	122	117	118
1865	Jan.	152	126	135	143	132	134
	July	156	134	141	145	148	147
1866	Jan.	171	163	166	155	159	158
	July	180	170	173	156	167	165
1867	Jan.	193	168	176	152	170	167
	July	192	167	175	154	172	170
1868	Jan.	197	165	175	151	170	167
	July	197	167	176	150	170	167
1869	Jan.	200	167	178	153	172	170
	July	198	185	189	149	176	172
1870	Jan.	202	183	189	151	170	167
	July	201	178	184	153	175	172
1871	Jan.	207	205	206	157	188	183
	July	210	214	213	151	189	184
1872	Jan.	234	216	221	150	198	190
	July	237	210	217	157	196	190
1873	Jan.	246	198	211	158	198	191
	July	236	202	212	158	201	193
1874	Jan.	216	184	194	146	185	178
	July	217	178	190	149	189	182
1875	Jan.	189	166	173	140	172	167
	July	189	166	174	140	174	169
1876	Jan.	186	162	169	135	171	166
	July	183	169	173	132	162	158
1877	Jan.	184	162	169	128	156	152
	July	182	161	168	129	158	154
1878	Jan.	176	171	172	128	160	156
	July	178	173	175	128	161	157
1879	Jan.	155	168	164	125	160	155
	July	153	171	166	129	157	153
1880	Jan.	168	177	175	135	160	157
	July	164	178	175	139	162	158

g.—Comparison with Falkner's Tables of Relative Wages.

On comparing the tables which have been presented with the tables compiled from the same data under the direction of Professor R. P. Falkner and published in Part I of the *Aldrich Report,* one finds that they agree regarding the general character of the wage-movements, but differ materially regarding the degree of these movements. The differences in results are due almost wholly to a difference in method. Professor Falkner treated each wage-series as having the same importance, whether it represented the relative wages of one man or a hundred men. On the other hand, I have weighted each series at each date by the number of persons whose actual wages the series reports on that date. Falkner's method gives averages of the relative rates of pay for different *kinds of work;* mine gives averages of the relative rates of pay of different *wage-earners.*

Since Falkner's tables show only arithmetic means it is necessary to confine the comparison to this form of average. My arithmetic means were computed from the tally-sheets used in determining deciles, by multiplying each relative wage by the number of persons receiving it, and dividing the sum of the products by the total number of persons. This work was done both with the tally-sheets for industries and the tally-sheets for groups based on initial wages. The results of the two sets of computations were corrected by comparison until they agreed perfectly, so that the chance of errors of computation affecting the result was practically excluded. Further, to make certain that the slight differences in the series used and in other minor details did not account for more than a small part of the discrepancies between Falkner's results and mine, I had arithmetic means computed from my tally-sheets by Falkner's method—that is, by multiplying each relative wage by the number of series (instead of the number of persons) shown as receiving it, and dividing the sum of the products by the whole number of series. This work also was done on the two sets of tally-sheets and the results brought to perfect agreement. These new arithmetic means for all industries, together with the medians, are compared in the next table with Falkner's corresponding averages.

The table shows that the new simple averages agree closely with Falkner's simple averages. The discrepancy between his figures and my January figures is less than half of one point in

TABLE 46.

Relative rates of wages in all industries according to various methods of averaging: January and July, 1860-1880.

Note.—See the explanations on p. 169.

		Falkner's Averages		New Averages		
		Arithmetic Means		Arithmetic Means		Medians
Dates		Weighted	Simple	Simple	Weighted	
1860	Jan.	100.0	100.0	100.0	100	100
	July			100.8	100	100
1861	Jan.	100.7	100.8	101.4	102	100
	July			101.3	99	99
1862	Jan.	103.7	102.9	103.4	102	100
	July			104.6	104	100
1863	Jan.	118.8	110.5	110.5	116	114
	July			114.8	119	115
1864	Jan.	134.0	125.6	123.9	131	129
	July			134.4	142	139
1865	Jan.	148.6	143.1	142.8	152	150
	July			146.4	155	152
1866	Jan.	155.6	152.4	152.4	161	165
	July			155.7	164	163
1867	Jan.	164.0	157.6	157.3	167.5	175
	July			159.7	167.5	166
1868	Jan.	164.9	159.2	158.1	166.8	168
	July			160.5	170.0	172
1869	Jan.	167.4	162.0	161.4	175.8	176
	July			163.8	179.4	179
1870	Jan.	167.1	162.2	162.4	180.6	180
	July			162.3	179.3	179
1871	Jan.	166.4	163.6	163.2	182.6	185
	July			164.7	184.3	192
1872	Jan.	167.1	166.0	165.6	179.3	177
	July			168.9	185.1	194
1873	Jan.	166.1	167.1	166.8	179.9	180
	July			167.9	182.9	187
1874	Jan.	162.5	161.5	161.9	175.9	179
	July			163.8	175.3	175
1875	Jan.	158.0	158.4	158.8	166.9	165
	July			157.4	162.9	161
1876	Jan.	151.4	152.5	153.8	162.4	160
	July			150.1	153.2	151
1877	Jan.	143.8	144.9	146.2	147.2	146
	July			144.9	143.2	142
1878	Jan.	140.9	142.5	143.8	145.2	143
	July			142.5	142.5	140
1879	Jan.	139.4	139.9	140.3	141.6	140
	July			139.0	139.0	135
1880	Jan.	143.0	141.5	141.2	142.3	137
	July			144.0	144.3	140

the scale of relative wages in 13 of the 21 years, and in no year exceeds 1.7 points. These slight differences arise from the facts that (1) I have omitted a few series which Falkner uses, (2) I have made separate series for males and females in occupations in which both sexes are employed, (3) Falkner computes relative wages in some cases on the basis of actual wages in July instead of in January. But the table also shows wide differences between both Falkner's and my series of simple arithmetic means on the one hand, and the series of weighted arithmetic means on the other hand. These differences appear as soon as the advance of relative wages is fairly under way, rise to a maximum of 19 points in January, 1871, and then fall gradually to less than one point in January, 1880. The close agreement between Falkner's simple arithmetic means and mine, together with the wide divergencies between my simple and weighted arithmetic means, is conclusive proof that the difference between his simple and my weighted arithmetic means is due almost wholly to his failure to take account of the number of persons whose wages are represented by the series.

The reason why this difference in method makes large differences in results is that the series representing but one or two wage-earners show on the average a less rapid and a less considerable advance in wages up to the early '70's, and a less considerable fall from the early '70's to 1879, than do the series representing relatively large numbers. A much larger proportion of the small than of the large series represent the wages of foremen, overseers, and highly paid mechanics; and Tables 40 and 42 show that the highest of our four industrial grades and the highest of our five wage-groups exhibit much less mobility of wages than do the lower grades and wage-groups. Falkner's method allows these relatively immobile series an influence on the result depending on the ratio between their number and the whole number of series; my method allows them an influence depending on the smaller ratio between the number of persons they represent and the whole number of persons. These ratios in the case of the highest wage-group, for example, average 5.6 per cent. and 1.2 per cent. respectively. On the other hand, of course, Falkner's method gives to the largest wage-group (males earning $1.00-

$1.49 per day in 1860), which shows on the whole the highest range of relative wages, an average weight of 34.2 per cent. on the results, while mine allows it 41.8 per cent. Further, it appears to be the case that establishments employing many men, and therefore represented by large series, advanced wages more liberally between 1860 and 1872, and reduced wages more sharply after 1873, than small establishments in the same industries.

Professor Falkner, however, did not rest content with the simple arithmetic means which have been criticized, but made also a series of weighted arithmetic means in which he sought to take account of numbers employed. But in doing so he kept his old errors of method, and added new errors to them. His method of weighting was to take the simple averages for 17 of his 21 industries, weight them by figures obtained from the census returns for occupations, and divide the sum of the products by the sum of the weights. This procedure does not eliminate the original errors in the averages for industries; and census tables for occupations do not give weights properly applicable to industries.[7] Moreover, in this process Falkner assigns large weights to some industries for which his data are too scanty to give reliable averages. The most conspicuous case is afforded by ''dry goods (stores),'' for which he has only three series, coming from a single establishment, but to which he assigns a weight second only to that for building trades.[8] As it happens, however, this curiously weighted series of averages approximates the correct results more closely than does the series of simple averages. But even Falkner's weighted figures are much too low for the years of highest relative wages:—in January, 1871, for example, his weighted arithmetic mean is 16 points less than the corresponding average in the new table.[9]

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[7] See *History of the Greenbacks,* p. 312.

[8] *Aldrich Report,* Part I, pp. 135 and 176.

[9] It is not claimed for the new averages that they are necessarily correct in the sense of showing the actual changes in relative rates of pay of American wage-earners from 1860 to 1880; but that they are the correct averages for the data presented in the ''exhibits'' of the *Aldrich Report.* The representative character of these averages is discussed in section v. of this chapter.

h.—Relative Wages in January, 1891.

Falkner's averages for January, 1880, both simple and weighted, agree closely with the new weighted averages. The importance of his table as the only considerable body of evidence regarding the course of wages in the United States between 1880 and 1890, when the Bureau of Labor tables begin, makes it highly desirable to know whether his latest figures—for 1891—are nearly correct, like those for 1880, or far from correct, like those for 1871. Accordingly, I have gone outside the paper-standard period to compute new averages of relative wages in January, 1891. The results are given in full in the next table, and show

TABLE 47.

Relative Rates of Wages in January, 1891.

A—Arithmetic Means.

(1) *Relative Wages in All Industries.*

Falkner's Averages.	
Weighted	168.6
Simple	160.7
New Averages	
Simple	160.9
Weighted	157.8

(2) *Relative Wages in Nine Industries.*

	Cotton textiles	Ginghams	Woolen textiles	Metals & metallic goods	Bldg. trades	Stone	Railroads	Illuminating gas	City public works
Falkner's av'ge	165.1	152.7	167.8	148.6	172.5	165.2	146.4	167.7	164.6
New averages									
Simple	164	153	168	150	176	160	149	168	167
Weighted	171	164	160	144	171	147	156	164	161

(3) *Relative Wages of Males and Females.*

	All industries	All industries in which both males & females were employed	Cotton textiles	Ginghams	Woolen textiles
Simple averages—males	160	156	161	146	168
—females	171	171	177	170	166
Weighted av'ges—males	154	155	161	150	158
—females	173	173	181	174	164

(4) *Relative Wages in Five Wage-groups.*

Daily wages received in Jan. 1860	Less than $1.00			$1.00-1.49	$1.50-1.99	$2.00-2.49	$2.50 & over
Sex	Males	Females	Both sexes	Males	Males	Males	Males
Simple averages	165	174	168	156	159	170	152
Weighted averages	159	176	168	153	147	168	139

TABLE 47—(CONCLUDED).

Relative rates of wages in January, 1891.

B—Medians and Deciles.

(1) *Relative Wages of Both Sexes, of Males and of Females in All Industries.*

	No. of Series	No. of Persons	Lowest	1st dec.	2d dec.	3d dec.	4th dec.	Median	6th dec.	7th dec.	8th dec.	9th dec.	Highest
M & F	503	7365	67	126	135	140	149	153	163	169	177	188	375
Male	455	5879	73	125	135	139	143	151	153	165	175	182	375
Female	48	1486	67	139	153	168	168	168	176	184	188	215	313
(2) *Relative Wages in Nine Industries.*													
Cotton	101	867	73	122	133	140	146	153	171	204	215	234	282
Ginghams	30	1450	115	150	153	153	161	168	168	168	182	188	200
Woolen	61	491	95	121	133	142	144	169	171	171	171	194	313
Metals	124	1723	80	122	130	135	139	141	147	151	160	172	247
Building	38	374	97	138	149	157	157	175	175	179	187	210	280
Stone	19	526	129	139	139	139	139	140	140	140	140	175	260
Railways	11	438	105	120	151	153	159	160	165	165	172	172	172
Gas	22	470	130	130	130	150	154	158	178	178	178	224	224
City Public	22	542	120	143	149	149	149	165	176	176	176	176	202
(3) *Relative Wages in Five Wage-groups.*													
$0.25- .99	133	2819	93	138	140	153	153	168	168	177	188	210	313
$1.00-1.49	170	2582	88	125	130	139	143	149	153	168	176	179	282
$1.50-1.99	113	1394	87	122	135	137	141	143	150	154	159	175	299
$2.00-2.49	52	361	73	137	150	165	165	165	175	175	175	200	275
$2.50 +	28	60	85	120	120	120	120	120	133	140	160	168	375

that both of Falkner's averages for all industries are too high;—the simple average by nearly three points and the weighted average by nearly 11 points.

The errors of Professor Falkner's results may be summed up as follows: His tables understate the advance in relative wages from 1860 to 1872; they also understate the fall from 1872 to 1879; and they exaggerate, though less seriously, the rise from 1880 to 1891—provided always that the data on which they are based are representative in character. In particular Professor Falkner's conclusion that when his report was written (1892), wages were "at about the same point as they were in 1871-72"[10] is seriously misleading. The arithmetic means computed by more trustworthy methods from his own data indicate that wages in January, 1891, were 25 points lower than the average of the arithmetic means for 1871-72.

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[10] *Aldrich Report,* Part I, p. 177.

II.—Tables of Relative Wages Based on Data from Weeks's Report of 1880.

a.—Scope and Character of the Data.

In Mr. Weeks's report, wages are given without specification as to number of employees, sex, or time of the year. Therefore some of the most interesting features of the preceding tables cannot be duplicated in the present section, and Falkner's method of averaging series without regard to the number of persons whose pay they represent must perforce be adopted. But Weeks's data give tolerably full information about several industries not covered by the *Aldrich Report,* and enable us to compare wages in the Northern Central States with wages in New England and the North Atlantic States. The number of establishments and of series is also much larger. Table 48 gives a general conspectus of the data.[11]

b.—Relative Wages of all Series.

Deciles for the whole body of series from the census are given in Table 49. It agrees with the preceding tables so far as the general character of wage-changes is concerned. Again we find a wide range of relative wages at each date, combined with decided similarity in the movements of the several deciles. The rapid rise of wages beginning in 1863 and extending to 1866; the slight advance of the next two or three years; the quick rise of the early seventies; the maximum of 1872; the decline after 1873 to the minimum of 1879, and the final reaction of 1880, are all shown here as there. The only important difference in direction of movement is that this table shows a small but general decline of wages from 1870 to 1871, while the table constructed from the Aldrich data shows a rise.

While there is thus a close correspondence between the direction of the wage-movements shown by the two tables, there is a marked difference in degree of rise and fall. This difference, however, is due partly to the lack of data regarding numbers

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[11] From the list of census series used in the *History of the Greenbacks* I have dropped three, and to it added 21 new series, thus raising the number to 1447.

TABLE 48.

Conspectus of the data regarding wages obtained from Weeks's Report of 1880.

Industries	Number of establishments		Number of wage-series	
	East. states	West. states	East. states	West. states
Cotton textiles	13	1	257	4
Woolen textiles	6	4	118	52
Carriages and wagons	3	6	31	42
Furniture	6	7	50	67
Machinery	5	6	40	58
Blast furnaces	6	2	62	15
Other iron and steel products[1]	11	2	77	29
Paper	5	2	84	19
Glass	5	—	62	—
Saw mills	1	6	12	49
Pottery	1	4	1	52
Tanneries	7	1	54	10
Miscellaneous[2]	18	16	122	80
All industries	87	57	970	477

States in which establishments were situated	No. of establishments	No. of wage-series
Maine	3	52
New Hampshire	7	114
Massachusetts	16	204
Connecticut	8	116
New York	27	266
New Jersey	7	52
Pennsylvania	13	134
Delaware	2	7
Maryland	2	13
Dist. of Columbia	1	1
West Virginia	1	11
Eastern States	87	970
Kentucky	6	51
Ohio	14	143
Indiana	13	100
Illinois	7	63
Michigan	3	23
Wisconsin	6	45
Iowa	2	9
Missouri	6	43
Western States	57	477
United States	144	1447

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[1] Includes:

1. Hardware	47 series
2. Rolling-mills	6 series
3. Stove foundries	46 series
4. Tin	7 series
Total	106 series

[2] These miscellaneous industries are:

1. Agricultural implements	5 series
2. Boots and shoes	17 series
3. Breweries	4 series
4. Brick-making	33 series
5. Carpets	18 series
6. Clothing	17 series
7. Flour mills	28 series
8. Gas	4 series
9. Ice	9 series
10. Iron mining	3 series
11. Marble	11 series
12. Pianos	26 series
13. Pins	3 series
14. Ship-carpentry	8 series
15. Tobacco	16 series
Total	202 series

TABLE 49.

Relative rates of wages in all industries represented in Weeks's Report: by years, 1860-1880.

NOTE.—The method adopted in constructing this table differs from that adopted in constructing Table 33, because the data do not show numbers employed. It is, however, like the method employed in constructing Table 4. See note upon the latter.

	No. of series	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860		100	100	100	100	100	100	100	100	100	100	100
1861	1425	60	100	100	100	100	100	100	100	100	112	200
1862	1386	58	98	100	100	100	100	100	106	114	126	200
1863	1419	52	100	100	100	106	113	117	125	133	150	250
1864	1427	70	100	100	113	119	125	133	150	160	175	260
1865	1428	75	100	114	120	129	139	150	160	172	200	300
1866	1406	75	100	120	127	140	150	159	167	181	200	400
1867	1404	75	100	120	131	142	150	160	171	183	200	400
1868	1399	75	100	120	132	143	150	160	171	182	200	400
1869	1413	66	100	120	132	144	150	163	171	183	200	534
1870	1408	52	100	120	133	150	155	167	174	187	200	534
1871	1352	65	100	120	133	148	152	165	172	185	200	563
1872	1376	75	100	120	135	150	157	167	175	190	205	563
1873	1373	57	100	120	133	150	156	167	175	189	207	563
1874	1394	67	100	117	129	140	150	159	167	179	200	563
1875	1391	64	100	114	125	136	145	156	167	175	200	513
1876	1392	64	100	112	125	133	140	150	160	171	194	513
1877	1375	57	100	108	120	125	133	144	153	167	188	475
1878	1392	63	100	108	118	125	133	140	150	163	180	475
1879	1388	64	100	108	118	125	130	138	150	160	180	438
1880	1326	64	100	114	125	129	138	149	156	167	193	438

represented by the series from Weeks's report, and partly to the inclusion of data for new industries and new states. The attempt to eliminate these causes of difference and to make a fair comparison between the two sets of results can be made better after Weeks's data have been analyzed more fully.

Besides the difference in degree of movement indicated from year to year, there is also a difference in the degree of concentration of the wage-series at different points of the wage-scale. The intervals which divide the deciles from each other are somewhat wider and also more uniform from year to year. This fact, brought out by the next table, like the slighter degree of change from year to year is due largely to the absence of data for numbers employed.

TABLE 50.

Average distribution of all wage-series from Weeks's Report and of all employees from the Aldrich Report over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Tables 33 and 49. See note upon Table 34.

Average number of points in the scale of relative wages between	Series from the Weeks Report	Wage-earners from the Aldrich Report
Lowest relative wages and 1st decile	33.3	58.0
1st and 2d deciles	12.2	10.2
2d and 3d deciles	9.2	6.5
3d and 4th deciles	8.8	6.2
4th deciles and Medians	6.3	6.2
Medians and 6th deciles	8.5	6.3
6th and 7th deciles	8.4	7.0
7th and 8th deciles	10.5	6.4
8th and 9th deciles	17.6	9.7
9th deciles and highest relative wages	232.0	95.1
Lowest and highest relative wages	346.8	211.6

c.—Relative Wages in Various Industries.

There are ten industries for which Mr. Weeks gives 50 or more series—enough to make a significant average of relative wages. Deciles for these industries, in form for easy comparison, are shown in Table 51. Three of the industries correspond to industries of the *Aldrich Report*—cotton textiles, woolen textiles, and metals and metallic goods—; the other seven are not represented at all, or are inadequately represented in the Aldrich data.

This table shows once more the universality of the general trend of wage-movements, and the differences in degree of change in different parts of the industrial field. All of these industries show a marked advance culminating in the later 60's or the early 70's, followed by a decided fall in the later '70's—a fall which in no case equals the preceding advance. The periods of maximum wages in the several industries are:

Cotton textiles	1873	median 160
Woolen textiles	1870	median 152
Tanneries	1873	median 165
Paper	1867 and 1868	median 150
Saw mills	1867	median 188
Furniture	1871	median 125
Carriages	1868 and 1869	median 160
Metals	1872 and 1873	median 157
Glass	1872	median 156
Pottery	1870 and 1877	median 167

TABLE 51.

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Data obtained from Weeks's Report.

NOTE: See note upon Table 49.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1860	All industries		100	100	100	100	100	100	100	100	100	100	100
1861	Cotton textiles	257	66	94	100	100	100	100	100	100	100	104	134
	Woolen textiles	170	79	100	100	100	100	100	100	100	100	108	133
	Tanneries	58	100	100	100	100	100	100	100	100	100	111	120
	Paper	103	83	100	100	100	100	100	100	100	100	100	171
	Saw mills	61	63	91	100	100	100	100	100	100	100	114	125
	Furniture	117	75	100	100	100	100	100	100	100	100	100	125
	Carriages	73	64	100	100	100	100	100	100	100	113	120	160
	Metals	276	80	94	100	100	100	100	100	100	109	120	200
	Glass	62	70	99	100	100	100	100	100	100	100	100	136
	Pottery	53	100	100	100	100	100	100	100	100	100	100	100
1862	Cotton textiles	258	58	87	95	100	100	100	100	100	100	107	145
	Woolen textiles	170	79	100	100	100	100	100	100	104	113	125	160
	Tanneries	63	72	100	100	100	100	104	107	113	129	167	185
	Paper	103	90	100	100	100	100	100	100	100	100	114	171
	Saw mills	61	74	91	100	100	100	100	100	100	114	133	150
	Furniture	107	100	100	100	100	100	100	100	100	113	125	150
	Carriages	73	71	92	100	100	111	114	117	125	125	133	160
	Metals	271	75	100	100	100	100	100	107	114	120	133	200
	Glass	62	70	89	99	100	100	100	100	100	100	100	155
	Pottery	22	100	100	100	100	100	100	100	100	100	100	120

TABLE 51—(CONTINUED).

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1863	Cotton textiles	240	58	90	100	100	100	100	100	103	110	117	141
	Woolen textiles	170	65	100	100	100	100	109	114	117	125	129	160
	Tanneries	58	100	100	107	116	124	125	133	140	150	185	201
	Paper	103	80	100	100	100	100	100	113	117	125	137	171
	Saw mills	61	84	100	107	107	119	127	133	140	150	167	200
	Furniture	117	100	100	100	100	100	111	117	120	125	138	250
	Carriages	73	75	88	100	111	120	125	125	143	143	164	200
	Metals	281	52	100	100	111	114	120	125	128	139	150	250
	Glass	62	70	100	100	100	100	100	105	115	120	131	167
	Pottery	53	100	113	121	133	133	150	152	167	167	167	250
1864	Cotton textiles	257	81	100	100	105	108	112	117	120	129	140	178
	Woolen textiles	170	80	100	100	107	116	121	132	138	150	157	200
	Tanneries	64	100	117	124	132	139	145	154	160	167	185	201
	Paper	103	100	100	100	100	114	125	133	140	150	167	182
	Saw mills	61	86	100	100	133	150	156	167	175	200	200	260
	Furniture	117	100	100	100	100	113	117	120	125	143	167	250
	Carriages	73	75	100	109	117	121	140	150	164	171	183	220
	Metals	281	75	100	112	120	129	138	150	160	172	198	250
	Glass	62	70	100	100	114	119	123	133	138	159	161	200
	Pottery	38	100	113	120	125	133	150	150	160	167	167	250
1865	Cotton textiles	258	89	100	111	117	124	129	133	142	150	167	266
	Woolen textiles	170	82	107	120	127	134	143	150	154	169	200	230
	Tanneries	64	100	120	125	140	151	158	166	167	185	200	216
	Paper	103	100	100	100	100	125	133	140	150	167	175	201
	Saw mills	61	86	100	100	146	160	181	200	200	203	229	300
	Furniture	117	100	100	100	100	117	117	125	125	150	189	286
	Carriages	73	83	108	117	125	140	150	150	167	171	197	220
	Metals	280	75	100	114	125	138	147	161	171	187	200	296
	Glass	62	80	100	105	117	120	129	133	138	160	167	245
	Pottery	38	113	125	133	135	150	152	163	167	167	182	250

TABLE 51—(CONTINUED).

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1866	Cotton textiles	259	89	115	125	133	140	149	155	163	175	184	266
	Woolen textiles	170	82	107	122	133	141	149	150	161	177	200	230
	Tanneries	57	100	120	136	150	153	160	168	183	200	200	216
	Paper	103	100	100	100	114	125	140	150	160	169	175	225
	Saw mills	54	86	90	100	128	160	175	200	200	200	218	250
	Furniture	117	100	100	100	100	117	120	125	140	150	200	315
	Carriages	73	83	108	117	125	150	150	164	171	183	200	220
	Metals	271	75	100	120	133	140	150	165	177	188	200	333
	Glass	62	80	100	120	130	138	146	160	169	182	200	262
	Pottery	38	113	125	133	135	150	152	163	167	167	182	250
1867	Cotton textiles	261	89	117	127	139	148	155	162	171	180	192	292
	Woolen textiles	170	82	113	120	133	142	148	150	158	170	190	230
	Tanneries	57	100	120	136	150	153	160	167	171	175	190	216
	Paper	103	100	100	100	114	125	150	155	167	175	183	250
	Saw mills	61	86	100	100	128	160	188	200	200	218	229	300
	Furniture	117	100	100	100	113	117	125	129	140	150	200	300
	Carriages	73	83	111	117	125	150	153	169	171	188	200	220
	Metals	271	75	100	117	133	143	150	167	177	197	203	296
	Glass	51	79	100	117	133	138	150	158	167	182	200	262
	Pottery	38	112	125	133	135	150	160	163	167	167	182	250
1868	Cotton textiles	261	89	117	126	138	144	150	160	167	176	187	250
	Woolen textiles	170	82	114	120	133	142	150	150	163	171	188	230
	Tanneries	57	100	120	140	150	153	160	166	167	171	185	247
	Paper	103	100	100	100	114	125	150	150	161	180	188	250
	Saw mills	54	100	100	100	125	148	182	200	200	200	229	300
	Furniture	117	100	100	100	114	117	125	138	150	160	200	286
	Carriages	73	83	111	117	125	150	160	171	175	188	200	220
	Metals	273	75	100	117	133	148	150	167	175	187	200	308
	Glass	51	79	100	117	125	133	143	161	167	186	200	262
	Pottery	38	112	125	133	150	152	160	167	167	175	182	250

TABLE 51—(CONTINUED).

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1869	Cotton textiles	261	83	117	127	138	145	151	160	168	177	192	263
	Woolen textiles	169	82	117	124	133	143	150	153	167	171	195	230
	Tanneries	57	100	120	142	150	153	160	166	169	172	185	231
	Paper	103	83	100	100	114	125	130	153	167	182	192	250
	Saw mills	54	100	100	100	121	150	182	200	200	200	229	300
	Furniture	117	100	100	100	114	117	125	138	150	160	200	250
	Carriages	73	83	111	117	125	150	160	171	175	188	200	220
	Metals	273	66	100	117	129	147	150	167	176	187	200	308
	Glass	51	79	110	117	133	138	154	161	169	186	200	262
	Pottery	53	112	125	150	160	167	167	167	175	182	200	267
1870	Cotton textiles	259	89	117	132	141	150	155	163	169	178	194	355
	Woolen textiles	168	75	108	122	136	150	152	160	170	182	200	243
	Tanneries	57	91	134	146	150	158	164	166	169	177	200	260
	Paper	99	83	100	100	114	125	133	161	175	192	200	300
	Saw mills	60	100	100	100	125	150	167	182	200	200	233	300
	Furniture	117	86	100	100	113	117	125	138	150	167	200	250
	Carriages	73	83	111	117	125	150	156	167	171	188	200	220
	Metals	269	52	100	120	133	148	157	167	175	187	200	300
	Glass	51	100	120	125	133	138	154	164	170	189	200	312
	Pottery	53	125	133	150	160	167	167	167	175	182	200	267
1871	Cotton textiles	254	89	120	136	144	150	157	164	172	178	200	563
	Woolen textiles	141	75	100	120	133	149	150	157	167	171	193	229
	Tanneries	52	91	120	125	147	153	164	167	167	175	200	260
	Paper	90	83	100	100	114	120	125	150	172	182	200	300
	Saw mills	60	100	100	100	140	150	167	180	200	200	229	300
	Furniture	117	86	100	111	113	117	125	140	150	167	200	250
	Carriages	73	100	113	120	142	150	156	170	171	188	206	220
	Metals	259	65	100	117	133	148	150	167	175	187	200	340
	Glass	51	100	120	133	133	139	154	164	170	194	208	312
	Pottery	53	100	133	150	150	160	167	167	171	182	200	267

TABLE 51—(CONTINUED).

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1872	Cotton textiles	254	89	120	137	144	150	160	167	174	181	200	563
	Woolen textiles	141	75	108	120	137	150	150	160	168	171	200	233
	Tanneries	52	91	125	133	147	153	160	167	169	175	200	260
	Paper	100	83	100	100	117	125	133	167	183	200	214	300
	Saw mills	60	100	100	100	138	160	172	182	200	200	233	300
	Furniture	117	86	100	109	113	117	125	138	150	167	200	250
	Carriages	73	100	113	120	142	150	156	167	171	188	206	240
	Metals	262	75	100	120	133	150	157	171	182	192	214	375
	Glass	62	100	120	133	133	139	156	164	171	183	200	269
	Pottery	53	100	133	150	150	160	167	167	171	182	200	267
1873	Cotton textiles	252	89	125	138	146	152	160	169	176	189	206	563
	Woolen textiles	141	57	100	120	133	150	150	160	167	175	200	240
	Tanneries	57	91	125	140	154	158	165	167	169	175	200	260
	Paper	90	83	100	100	111	120	125	152	175	190	211	300
	Saw mills	60	100	100	100	138	157	167	175	200	214	250	333
	Furniture	117	86	100	106	113	117	125	138	150	167	200	250
	Carriages	73	100	111	120	140	150	156	167	171	192	200	241
	Metals	266	75	100	120	133	150	157	170	180	198	214	417
	Glass	62	100	120	133	133	139	155	164	171	182	200	300
	Pottery	53	100	133	150	150	160	167	167	171	182	200	267
1874	Cotton textiles	252	89	123	133	142	149	152	160	171	179	200	563
	Woolen textiles	166	71	108	120	133	146	150	159	167	183	200	313
	Tanneries	53	91	125	142	150	158	159	165	167	171	193	300
	Paper	98	80	100	100	108	125	133	160	172	182	200	300
	Saw mills	60	100	100	103	138	150	160	167	186	200	250	333
	Furniture	117	80	100	100	104	111	120	125	150	159	183	220
	Carriages	72	88	100	111	125	131	150	167	171	188	200	260
	Metals	259	77	100	113	125	136	143	150	160	173	200	417
	Glass	62	100	120	133	133	139	151	160	168	182	200	300
	Pottery	53	100	133	144	150	160	167	167	167	182	200	267

TABLE 51—(CONTINUED).

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1875	Cotton textiles	252	89	120	130	135	144	150	157	168	177	195	513
	Woolen textiles	164	64	106	120	130	140	150	160	167	183	220	313
	Tanneries	57	91	127	138	144	150	158	160	167	171	185	300
	Paper	90	67	95	100	100	117	125	150	172	186	200	300
	Saw mills	61	100	100	104	125	143	153	164	186	200	225	385
	Furniture	117	80	100	100	100	111	117	125	150	159	183	220
	Carriages	72	86	100	108	125	125	145	167	171	179	188	260
	Metals	265	77	100	110	119	129	140	143	151	167	190	417
	Glass	62	100	120	125	133	138	150	160	167	182	200	300
	Pottery	53	100	133	135	150	160	167	167	167	182	200	267
1876	Cotton textiles	257	79	111	125	133	139	144	150	159	167	187	513
	Woolen textiles	164	64	100	120	125	133	145	151	160	177	218	313
	Tanneries	52	91	120	125	138	143	145	150	158	166	171	300
	Paper	99	67	89	100	110	125	133	157	170	176	200	300
	Saw mills	61	100	100	100	125	140	145	153	175	200	217	385
	Furniture	117	80	96	100	100	111	117	125	140	150	180	208
	Carriages	72	83	100	100	125	125	143	156	171	175	183	240
	Metals	260	67	100	100	114	123	129	138	145	157	180	417
	Glass	62	100	110	125	133	138	150	159	164	178	200	300
	Pottery	53	100	125	133	150	160	167	167	167	182	200	267
1877	Cotton textiles	257	79	106	120	129	133	140	146	154	165	175	475
	Woolen textiles	164	57	100	115	122	130	138	150	157	171	218	313
	Tanneries	52	91	117	124	125	133	143	146	150	154	175	300
	Paper	91	67	83	100	106	120	129	150	168	176	198	300
	Saw mills	61	100	100	100	120	129	143	150	153	195	200	385
	Furniture	117	80	100	100	100	106	113	120	130	150	162	208
	Carriages	68	83	100	100	125	125	136	147	164	171	183	211
	Metals	253	63	99	100	112	120	125	133	143	150	171	417
	Glass	62	100	110	125	133	136	150	158	167	176	200	300
	Pottery	53	100	117	150	159	167	167	167	182	192	200	267

TABLE 51—(CONCLUDED).

Relative rates of wages of all series in ten industries: by years, 1860-1880.

Year	Industries	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1878	Cotton textiles	257	80	100	120	126	132	135	142	150	160	174	475
	Woolen textiles	165	64	100	112	120	125	135	149	156	167	194	313
	Tanneries	51	91	117	125	132	136	143	146	150	154	175	300
	Paper	99	67	93	100	113	120	125	133	149	160	177	300
	Saw mills	61	88	100	100	110	125	140	150	157	171	200	385
	Furniture	117	80	100	100	100	111	113	120	133	150	167	208
	Carriages	72	83	100	108	120	125	137	147	157	167	183	201
	Metals	253	63	99	100	112	120	125	133	143	150	167	417
	Glass	62	100	110	121	133	133	139	154	161	176	200	263
	Pottery	53	100	113	133	150	157	160	167	170	183	200	233
1879	Cotton textiles	257	78	100	115	122	127	131	134	143	153	168	438
	Woolen textiles	165	64	100	109	120	125	133	147	157	170	200	313
	Tanneries	51	82	111	121	125	133	142	145	150	154	171	300
	Paper	94	67	95	100	111	120	125	133	143	160	172	300
	Saw mills	60	80	100	100	114	125	129	150	157	183	200	321
	Furniture	117	80	100	100	109	113	117	125	133	150	167	250
	Carriages	72	100	100	113	125	125	140	150	157	167	180	200
	Metals	255	75	91	100	113	120	125	130	141	150	167	417
	Glass	62	100	112	120	130	133	139	154	161	177	200	263
	Pottery	53	100	113	133	150	157	160	167	170	183	200	233
1880	Cotton textiles	255	75	107	121	128	133	139	145	151	160	175	438
	Woolen textiles	157	64	100	113	125	130	138	150	160	171	200	313
	Tanneries	46	82	100	120	125	131	139	145	148	150	167	300
	Paper	99	78	100	100	117	125	133	147	151	167	192	300
	Saw mills	60	94	100	100	125	127	133	150	163	183	200	321
	Furniture	97	80	100	100	111	114	120	129	150	160	183	250
	Carriages	58	107	120	125	125	141	150	167	171	190	200	220
	Metals	242	74	100	106	120	125	133	143	150	159	180	417
	Glass	62	100	112	125	133	133	150	160	167	178	200	263
	Pottery	53	100	115	133	150	159	160	167	170	183	200	233

TABLE 52.

Average distribution of wage-series in ten industries from Weeks's Report over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 51. See note upon Table 50.

Average number of points in the scale of relative wages between	Cotton textiles	Woolen textiles	Tanneries	Paper	Saw-mills	Furniture	Carriages and wagons	Metals and metallic goods	Glass	Pottery
Lowest rel. wages and 1st dec.	26.6	30.7	23.0	14.0	6.9	10.3	18.3	27.2	18.8	16.4
1st and 2d deciles	11.1	10.0	10.0	2.1	2.0	1.4	6.6	10.5	9.6	12.0
2d and 3d deciles	6.8	8.7	8.4	8.4	22.5	4.3	11.2	10.9	6.6	7.5
3d and 4th deciles	5.1	7.9	5.1	9.7	15.1	6.0	10.3	9.4	3.8	7.6
4th deciles and Medians	4.8	5.5	5.8	7.9	12.6	5.4	9.0	5.6	9.6	5.0
Medians and 6th deciles	5.5	6.7	4.6	14.6	11.2	7.5	10.1	9.9	8.5	2.6
6th and 7th deciles	6.5	7.4	4.0	11.3	9.0	10.5	7.0	8.1	6.1	4.2
7th and 8th deciles	7.8	10.0	6.5	10.8	11.4	12.4	10.8	11.1	13.0	7.4
8th and 9th deciles	13.3	22.3	17.8	13.1	21.6	26.1	12.5	15.7	14.0	12.1
9th dec. and high. rel. wages	187.1	57.3	63.2	75.1	83.2	58.7	29.9	147.8	69.8	55.2
Lowest and high. rel. wages	274.6	166.5	148.4	167.1	195.5	142.7	125.7	256.2	159.8	130.2

But the diversities in detail are quite as striking as the uniformities in general trend. On the whole, furniture shows the lowest range of relative wages, and potteries the highest range—though part of the time tanneries and saw-mills rank above the latter.

d.—Relative Wages of Groups Based on Initial Wages.

This classification of the data produces more regular results when applied to the Weeks than when applied to the Aldrich series. In 1863 and 1864 the wage-group "under $1" shows a lower range of relative wages than the next higher group; but these are practically the only exceptions to the rule that each group has lower relative wages than the group below it, and higher relative wages than the one above it. Once more the relative mobility of wages of low-priced labor and the relative stability of wages of high-priced labor is clearly shown. The contrast comes out most distinctly in the following figures for the medians of the several groups in the years of maximum and (later) minimum wages.

Medians of Wage-groups.

	1872	1879	Decline
Under $1	168	140	28 points
$1.00-$1.49	160	127	33 points
$1.50-$1.99	150	133	17 points
$2.00-$2.49	143	125	18 points
$2.50 +	125	120	5 points

TABLE 53.

Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.

NOTE: See note upon Table 49.

Year	Wage-groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1860	Under $1		100	100	100	100	100	100	100	100	100	100	100
	$1.00-1.49		100	100	100	100	100	100	100	100	100	100	100
	$1.50-1.99		100	100	100	100	100	100	100	100	100	100	100
	$2.00-2.49		100	100	100	100	100	100	100	100	100	100	100
	$2.50 +		100	100	100	100	100	100	100	100	100	100	100
1861	Under $1	352	66	100	100	100	100	100	100	100	100	109	200
	$1.00-1.49	452	60	94	100	100	100	100	100	100	100	117	179
	$1.50-1.99	366	70	98	100	100	100	100	100	100	100	111	156
	$2.00-2.49	149	64	100	100	100	100	100	100	100	100	100	138
	$2.50 +	106	63	100	100	100	100	100	100	100	100	113	150
1862	Under $1	348	69	95	100	100	100	100	100	104	112	130	200
	$1.00-1.49	446	60	95	100	100	100	100	100	110	120	125	179
	$1.50-1.99	345	58	100	100	100	100	100	100	108	114	129	180
	$2.00-2.49	142	71	100	100	100	100	100	100	100	113	125	160
	$2.50 +	105	73	100	100	100	100	100	100	100	113	125	150
1863	Under $1	342	72	100	100	100	101	109	115	125	132	151	250
	$1.00-1.49	454	52	100	100	100	112	117	120	125	136	150	250
	$1.50-1.99	367	58	100	100	100	106	114	117	129	133	150	183
	$2.00-2.49	150	75	100	100	100	103	110	113	120	125	129	250
	$2.50 +	106	65	100	100	100	100	100	107	117	125	150	200
1864	Under $1	357	81	100	106	111	120	126	133	145	160	175	260
	$1.00-1.49	455	88	100	107	119	122	127	140	150	162	180	250
	$1.50-1.99	360	70	100	100	114	117	131	133	150	167	172	244
	$2.00-2.49	148	75	100	100	111	113	120	125	135	140	150	250
	$2.50 +	107	75	100	100	100	100	100	117	120	136	167	200

TABLE 53—(CONTINUED).

Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.

Year	Wage groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1865	Under $1	358	82	108	120	129	136	147	158	167	178	200	300
	$1.00-1.49	454	78	107	120	125	135	148	150	161	175	200	296
	$1.50-1.99	362	80	100	111	117	129	133	150	167	171	200	292
	$2.00-2.49	147	88	100	111	113	125	125	132	142	150	175	266
	$2.50 +	107	75	100	100	100	104	113	120	130	150	188	284
1866	Under $1	342	82	121	133	147	155	161	167	179	187	200	400
	$1.00-1.49	451	85	115	125	138	146	150	160	173	183	200	315
	$1.50-1.99	361	80	100	114	120	133	143	153	167	180	200	301
	$2.00-2.49	147	88	100	111	121	125	125	138	150	150	178	333
	$2.50 +	105	75	100	100	100	110	120	127	140	158	196	284
1867	Under $1	342	82	125	138	150	160	167	173	181	192	200	400
	$1.00-1.49	451	90	116	125	140	150	152	163	175	188	205	300
	$1.50-1.99	359	83	100	114	120	133	143	155	167	180	200	300
	$2.00-2.49	146	88	100	112	121	125	133	138	150	154	188	266
	$2.50 +	106	75	100	100	100	111	120	125	143	150	188	284
1868	Under $1	343	82	122	138	149	159	164	171	179	188	200	400
	$1.00-1.49	448	88	115	125	140	150	153	162	175	185	201	296
	$1.50-1.99	356	83	100	114	120	133	150	157	167	178	200	308
	$2.00-2.49	146	89	100	112	125	125	138	148	150	154	184	250
	$2.50 +	106	75	100	100	100	117	120	130	143	150	200	284
1869	Under $1	347	82	123	138	150	160	167	171	181	190	200	534
	$1.00-1.49	449	66	117	125	140	150	157	166	175	187	200	300
	$1.50-1.99	363	83	100	114	122	136	150	157	167	178	200	308
	$2.00-2.49	148	89	100	112	125	129	138	150	150	163	188	250
	$2.50 +	106	75	100	100	100	117	120	127	138	150	200	284

TABLE 53—(Continued).

Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.

Year	Wage groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1870	Under $1	350	80	125	145	154	161	167	172	182	195	205	534
	$1.00-1.49	443	75	120	125	140	150	159	167	175	188	208	312
	$1.50-1.99	361	83	100	114	128	139	150	167	169	183	200	300
	$2.00-2.49	148	75	100	112	125	125	144	150	150	170	200	300
	$2.50 +	106	52	100	100	100	117	125	133	143	160	200	284
1871	Under $1	321	80	129	146	154	161	167	172	181	194	208	563
	$1.00-1.49	430	77	110	125	140	150	157	167	175	187	208	340
	$1.50-1.99	353	83	100	117	128	139	150	158	169	183	200	300
	$2.00-2.49	144	75	100	113	125	130	138	150	150	167	188	300
	$2.50 +	104	65	100	100	100	117	125	133	145	158	200	284
1872	Under $1	330	80	131	148	157	164	168	176	187	200	214	563
	$1.00-.1.49	440	75	111	125	140	150	160	170	179	192	217	375
	$1.50-1.99	357	83	100	117	129	143	150	167	171	183	200	300
	$2.00-2.49	144	75	100	113	125	125	143	150	150	171	200	300
	$2.50 +	105	78	100	100	107	117	125	133	145	160	200	284
1873	Under $1	334	80	130	147	158	163	167	176	187	200	220	563
	$1.00-1.49	433	57	109	125	140	150	160	168	175	192	210	360
	$1.50-1.99	357	83	100	117	130	143	150	167	169	183	200	333
	$2.00-2.49	144	75	100	113	125	125	138	150	150	169	200	300
	$2.50 +	105	78	100	100	107	117	125	133	145	157	200	417
1874	Under $1	343	80	125	137	150	156	162	167	176	192	213	563
	$1.00-1.49	441	71	100	122	133	145	150	160	171	180	200	360
	$1.50-1.99	357	83	100	112	122	133	143	152	167	174	200	333
	$2.00-2.49	146	75	100	100	113	125	125	138	150	167	200	300
	$2.50 +	107	67	92	100	100	117	125	133	145	157	200	417

TABLE 53—(CONCLUDED).

Relative rates of wages of all series from Weeks's Report classified according to initial wages: by years, 1860-1880.

Year	Wage-groups	No. of series	Lowest rel. wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest rel. wage
1875	Under $1	348	80	121	133	143	151	159	166	172	183	208	513
	$1.00-1.49	434	64	100	120	127	140	150	158	167	175	200	385
	$1.50-1.99	359	67	100	111	120	133	143	150	167	171	189	267
	$2.00-2.49	146	75	100	100	113	125	125	138	150	165	200	300
	$2.50 +	104	67	94	100	100	113	125	138	145	160	200	417
1876	Under $1	343	80	119	129	135	144	150	160	167	180	206	513
	$1.00-1.49	441	64	100	117	125	130	142	150	160	170	187	385
	$1.50-1.99	360	67	100	104	117	129	133	148	156	167	183	267
	$2.00-2.49	144	75	89	100	108	113	125	125	140	150	188	300
	$2.50 +	104	67	94	100	100	111	125	133	145	158	200	417
1877	Under $1	338	80	113	125	132	136	145	154	164	176	200	475
	$1.00-1.49	427	57	100	110	120	125	134	145	150	160	180	385
	$1.50-1.99	359	67	100	100	114	125	133	143	150	167	183	250
	$2.00-2.49	145	75	100	100	108	113	125	125	138	150	178	300
	$2.50 +	106	63	94	100	100	110	120	133	145	157	200	417
1878	Under $1	340	80	111	120	130	133	141	150	161	172	200	475
	$1.00-1.49	441	64	100	110	120	125	129	140	150	160	175	385
	$1.50-1.99	360	67	100	100	112	118	133	139	150	161	171	250
	$2.00-2.49	144	75	93	100	111	113	125	125	138	150	175	300
	$2.50 +	107	63	90	100	100	110	120	133	145	158	200	417
1879	Under $1	341	80	108	120	128	133	140	149	160	170	200	438
	$1.00-1.49	438	64	100	113	120	125	127	135	150	160	180	360
	$1.50-1.99	358	67	100	100	112	120	133	137	148	157	171	250
	$2.00-2.49	144	75	100	100	111	113	125	125	137	150	175	300
	$2.50 +	107	67	90	100	100	107	120	133	140	158	200	417
1880	Under $1	331	80	112	126	135	143	150	153	163	175	200	438
	$1.00-1.49	415	64	100	120	125	127	135	147	157	171	192	385
	$1.50-1.99	350	75	100	109	117	129	133	144	150	167	178	267
	$2.00-2.49	129	75	100	103	113	125	125	138	150	163	178	300
	$2.50 +	101	70	90	100	100	107	120	133	140	158	200	417

TABLE 54.

Average distribution of wage-series from Weeks's Report belonging to five wage-groups over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 53. See note upon Table 50.

	Daily wages in 1860				
Average number of points in the scale of relative wages between	Less than $1.00	$1.00-1.49	$1.50-1.99	$2.00-2.49	$2.50 & over
Lowest relative wages and 1st deciles	35.2	33.8	24.2	20.5	26.5
1st and 2d deciles	11.0	11.0	8.1	6.2	2.7
2d and 3d deciles	7.8	9.2	8.3	8.6	0.7
3d and 4th deciles	5.9	7.1	9.3	4.0	9.0
4th deciles and Medians	5.8	6.0	8.4	7.1	7.0
Medians and 6th deciles	6.0	7.7	8.5	6.2	8.2
6th and 7th deciles	8.5	8.8	9.2	6.8	9.2
7th and 8th deciles	10.2	10.4	10.0	10.5	12.3
8th and 9th deciles	17.3	17.3	16.2	22.8	35.9
9th deciles and highest relative wages	225.8	126.7	83.4	93.5	122.9
Lowest and highest relative wages	333.5	238.0	185.6	186.2	234.3

e.—Relative Wages in Eastern and Western States.

The dividing line between east and west for purposes of this comparison is the eastern boundary of Ohio. All but one of the establishments for which the *Aldrich Report* gives data—an Ohio gas plant with 7 series—lie east of this line; but almost two-fifths of the census establishments lie west of it. There are therefore sufficient data to study the sectional differences in wage-fluctuations.

Table 55 presents Weeks's series in form for such study. It shows that, beginning as early as 1861, relative wages in the west were somewhat higher than in the east. The difference in favor of the west became very marked in 1863, 1864 and 1865. During the next four years, however, wages rose more rapidly in the east, and in 1870 that section took the lead and held it until 1879. During 1876 and 1877 the difference between the medians in favor of the east was 10 points, while in 1864 it had been 22 points in favor of the west. Between 1879 and 1880 wages advanced more rapidly in the west, so that while the lower deciles and the median in the final year are higher in the east, the 6th, 7th, 8th, and 9th deciles are higher in the west.

TABLE 55.

Relative rates of wages of all series from Weeks's Report classified according to geographical location of establishments: by years, 1860-1880.

NOTE.—See note upon Table 49.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	957	66	97	100	100	100	100	100	100	100	106	179
	West	468	60	100	100	100	100	100	100	100	108	120	200
1862	East	960	58	96	100	100	100	100	100	100	110	117	200
	West	426	60	100	100	100	100	100	113	120	125	133	200
1863	East	944	52	100	100	100	100	107	113	117	125	136	201
	West	475	75	100	100	113	120	125	127	135	150	167	250
1864	East	967	70	100	100	109	115	121	129	137	150	167	250
	West	460	75	100	105	120	127	143	150	163	172	200	260
1865	East	967	75	100	114	120	127	133	143	153	167	182	299
	West	461	88	100	114	125	139	150	160	175	194	200	300
1866	East	953	75	100	120	130	139	150	156	167	177	200	400
	West	453	77	100	117	125	140	150	167	179	197	207	301
1867	East	944	75	100	120	133	142	150	160	167	181	200	400
	West	460	77	100	117	125	140	150	166	175	200	203	333
1868	East	946	75	100	122	133	143	150	160	169	181	200	400
	West	453	77	100	114	125	138	150	162	174	183	200	333
1869	East	945	66	100	123	136	146	150	162	171	183	200	534
	West	468	77	100	117	125	133	150	165	175	187	200	317

TABLE 55—(CONCLUDED).

Relative rates of wages of all series from Weeks's Report classified according to geographical location of establishments: by years, 1860-1880.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	944	52	110	125	139	150	157	167	174	188	200	534
	West	464	75	100	117	125	140	150	164	172	185	200	317
1871	East	886	65	106	125	139	150	156	167	173	188	200	563
	West	466	75	100	117	125	143	150	160	167	182	200	300
1872	East	908	75	108	127	141	150	159	168	176	192	206	563
	West	468	75	100	115	125	143	150	160	171	182	200	300
1873	East	907	75	108	126	140	150	159	167	176	192	208	563
	West	466	57	100	113	122	138	150	160	167	181	200	417
1874	East	929	75	100	125	133	143	150	160	171	181	200	563
	West	465	67	100	104	120	125	144	156	167	175	200	417
1875	East	930	67	100	121	131	139	149	156	167	177	200	513
	West	461	64	100	100	114	125	141	150	167	174	200	417
1876	East	930	67	100	117	125	133	143	150	160	171	195	513
	West	462	64	100	100	113	125	133	150	157	167	190	417
1877	East	917	63	100	113	123	129	135	145	156	167	188	475
	West	458	57	100	100	111	120	125	141	150	167	187	417
1878	East	925	63	100	111	120	126	133	141	150	162	180	475
	West	467	64	100	100	112	120	125	140	150	163	182	417
1879	East	922	67	100	108	120	125	131	138	150	160	180	438
	West	466	64	100	106	115	122	127	140	150	160	183	417
1880	East	912	74	100	115	125	131	138	147	154	167	190	438
	West	414	64	100	109	120	125	135	150	160	174	200	417

TABLE 56.

Average distribution of wage-series for Eastern and Western States over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 55. See note upon Table 50.

Average number of points in the scale of relative wages between	All Series	Eastern States	Western States
Lowest relative wages and 1st deciles	33.3	31.9	28.9
1st and 2d deciles	12.2	13.7	7.9
2d and 3d deciles	9.2	8.8	9.3
3d and 4th deciles	8.8	6.7	9.7
4th deciles and Medians	6.3	6.3	8.8
Medians and 6th deciles	8.5	7.5	11.1
6th and 7th deciles	8.4	7.6	9.2
7th and 8th deciles	10.5	11.0	12.0
8th and 9th deciles	17.6	16.0	16.5
9th deciles and highest relative wages	232.0	230.7	141.6
Lowest and highest relative wages	346.8	340.2	255.0

A glance back at Table 48 shows that there is a wide difference between the industries of the east and of the west as represented by our series. It is therefore possible that the higher western figures during the war, and the lower western figures after the war, may be due simply to a divergent course of wages in different industries. To test this supposition, I have computed deciles for eastern and western establishments in the four industries which are most evenly divided in our material between the two sections—furniture, woolen textiles, carriages and wagons, and machinery—(See Table 57). Furniture shows higher relative wages in the east even during the war; later the differences become much wider than in the table for all industries. Woolen textiles shows the west leading in 1863 and 1864; and the east leading uniformly from 1865 to 1880. Again the differences in favor of the east are wider than in the general table. In carriages and wagons the west has distinctly higher rates from 1862 to 1866; then gradually falls far behind, but regains the lead by a narrow margin in 1880. Finally, machine shops show higher western rates in 1862 to 1864, substantial equality in 1865 and 1866, then higher eastern rates to 1880. Confining the comparison to series for identical industries thus serves to make the differences between the eastern and western wage-movements appear

TABLE 57.

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

Data obtained from Weeks's Report.

NOTE.—See note upon Table 49.

1.—Manufacture of furniture.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	50	75	100	100	100	100	100	100	100	100	100	113
	West	67	100	100	100	100	100	100	100	100	100	100	125
1862	East	50	100	100	100	100	100	100	100	104	113	120	143
	West	57	100	100	100	100	100	100	100	100	113	125	150
1863	East	50	100	100	100	100	111	118	120	123	125	129	172
	West	67	100	100	100	100	100	100	113	117	120	148	250
1864	East	50	100	111	113	117	120	125	125	143	150	167	229
	West	67	100	100	100	100	100	100	113	117	125	150	250
1865	East	50	100	113	117	120	125	125	139	150	150	189	286
	West	67	100	100	100	100	100	100	117	117	125	183	250
1866	East	50	100	113	120	125	125	133	143	150	160	200	315
	West	67	100	100	100	100	100	100	117	120	150	183	250
1867	East	50	100	117	120	125	129	138	143	150	160	212	300
	West	67	100	100	100	100	106	114	117	120	150	200	250
1868	East	50	100	117	125	131	138	143	150	150	160	214	286
	West	67	100	100	100	100	106	114	117	120	150	200	250
1869	East	50	100	117	125	126	140	143	150	150	160	200	250
	West	67	100	100	100	100	110	117	117	125	150	200	250

TABLE 57—(CONTINUED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	50	100	113	117	125	138	143	150	150	167	200	250
	West	67	86	100	100	100	104	114	117	125	160	200	250
1871	East	50	100	113	117	125	138	143	150	150	167	200	250
	West	67	86	100	100	109	111	117	117	125	160	200	250
1872	East	50	100	111	117	125	138	143	150	150	167	200	237
	West	67	86	100	100	109	111	117	117	125	160	196	250
1873	East	50	90	111	117	125	138	143	150	150	167	200	217
	West	67	86	100	100	106	111	114	117	125	160	183	250
1874	East	50	90	100	114	120	125	140	150	150	160	200	214
	West	67	80	92	100	100	100	106	111	120	158	179	220
1875	East	50	90	100	113	120	125	133	150	150	167	200	208
	West	67	80	90	100	100	100	100	111	117	150	175	220
1876	East	50	90	100	113	120	125	130	143	150	160	200	208
	West	67	80	89	100	100	100	100	111	113	140	160	200
1877	East	50	90	100	104	113	120	130	143	150	157	183	208
	West	67	80	92	100	100	100	104	111	113	120	150	200
1878	East	50	90	100	108	113	125	130	150	150	160	171	208
	West	67	80	94	100	100	100	106	111	117	125	150	200
1879	East	50	90	100	108	114	125	125	150	150	160	200	208
	West	67	80	100	100	100	111	113	117	120	133	159	250
1880	East	50	90	100	111	117	125	140	150	157	167	200	217
	West	47	80	94	100	104	111	113	117	117	140	175	250

TABLE 57—(CONTINUED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

2.—Manufacture of woolen textiles.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	118	79	100	100	100	100	100	100	100	100	105	123
	West	52	80	100	100	100	100	100	100	100	111	120	133
1862	East	118	79	100	100	100	100	100	100	102	106	113	133
	West	52	80	100	100	100	100	100	120	120	125	133	160
1863	East	118	65	100	100	100	105	108	113	114	117	126	150
	West	52	100	100	100	100	100	120	120	125	129	133	160
1864	East	118	80	100	100	102	114	120	129	136	143	151	177
	West	52	100	100	100	111	120	125	133	150	152	160	200
1865	East	118	82	120	128	133	140	145	150	157	169	182	230
	West	52	100	100	100	120	120	125	143	150	183	200	220
1866	East	118	82	120	133	140	145	150	157	167	177	200	230
	West	52	100	100	100	120	120	125	150	160	179	200	220
1867	East	118	82	120	133	140	145	149	150	158	175	188	230
	West	52	100	100	107	120	120	125	150	151	170	200	213
1868	East	118	82	120	135	142	147	150	156	167	173	189	230
	West	52	100	100	100	120	120	125	150	151	160	175	227
1869	East	117	82	124	135	143	149	150	164	170	182	200	230
	West	52	100	100	100	120	120	125	150	150	160	167	227

TABLE 57—(CONTINUED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	117	99	122	138	150	152	160	170	175	188	200	243
	West	51	75	100	100	120	120	125	150	151	160	167	228
1871	East	90	99	128	138	149	150	156	164	170	172	195	229
	West	51	75	100	100	120	120	125	150	150	160	167	220
1872	East	90	100	129	140	150	150	160	168	170	182	200	229
	West	51	75	100	100	120	120	125	150	157	163	180	233
1873	East	90	88	125	139	150	150	157	163	171	177	200	229
	West	51	57	100	100	110	120	122	138	151	160	180	240
1874	East	115	75	125	133	146	150	157	164	175	192	200	313
	West	51	71	100	100	116	120	122	133	150	160	200	220
1875	East	113	100	120	133	140	150	158	164	171	188	200	313
	West	51	64	100	100	116	120	122	133	150	163	200	220
1876	East	113	88	114	125	134	143	150	157	169	183	200	313
	West	51	64	100	100	108	120	122	133	150	157	192	218
1877	East	113	80	112	119	130	135	148	153	160	178	200	313
	West	51	57	100	100	108	120	122	133	150	160	180	218
1878	East	114	80	110	117	125	133	140	153	160	178	200	313
	West	51	64	100	100	108	120	120	125	138	160	171	200
1879	East	114	82	105	117	125	133	139	150	162	175	200	313
	West	51	64	100	100	108	120	122	125	138	160	171	200
1880	East	114	82	112	120	127	136	148	153	163	175	200	313
	West	43	64	89	100	100	120	120	133	150	163	183	220

TABLE 57—(CONTINUED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

3.—Manufacture of carriages and wagons.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	31	83	100	100	100	100	100	100	109	113	117	160
	West	42	64	100	100	100	100	100	100	100	110	120	132
1862	East	31	83	100	100	100	111	114	114	114	117	120	160
	West	42	71	78	100	100	110	120	125	125	132	149	160
1863	East	31	83	108	111	116	117	120	132	143	143	150	167
	West	42	75	86	100	100	120	125	125	133	150	167	200
1864	East	31	83	109	115	117	120	132	142	160	171	171	200
	West	42	75	88	100	117	138	150	150	164	171	183	220
1865	East	31	83	109	116	120	120	132	142	160	171	171	200
	West	42	88	100	125	149	150	150	150	167	183	200	220
1866	East	31	83	109	117	120	140	150	160	171	171	188	206
	West	42	88	100	125	149	150	150	167	180	188	215	220
1867	East	31	83	109	117	120	140	160	171	171	171	188	206
	West	42	88	111	125	150	150	150	167	183	200	200	220
1868	East	31	83	109	117	120	140	160	171	171	174	188	206
	West	42	100	113	125	150	150	150	175	182	197	220	220
1869	East	31	83	109	117	120	140	160	171	171	181	193	206
	West	42	100	113	125	150	150	150	170	175	197	220	220

TABLE 57—(CONTINUED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	31	83	113	117	120	140	160	171	171	174	188	206
	West	42	100	111	125	150	150	150	167	180	200	220	220
1871	East	31	108	120	120	140	150	160	171	171	181	200	210
	West	42	100	111	125	150	150	150	167	172	200	220	220
1872	East	31	108	120	120	140	150	157	171	171	179	200	210
	West	42	100	111	125	150	150	150	164	172	200	220	240
1873	East	31	100	113	120	131	145	160	171	171	188	200	210
	West	42	100	111	125	150	150	150	164	171	200	200	241
1874	East	31	100	113	120	131	145	160	171	171	188	200	210
	West	41	88	100	100	125	125	143	156	175	200	200	260
1875	East	31	100	113	120	131	143	160	171	171	188	200	210
	West	41	86	100	100	125	125	143	150	167	175	180	260
1876	East	31	100	108	120	131	142	150	171	171	174	188	200
	West	41	83	89	100	125	125	125	150	157	175	180	240
1877	East	31	100	108	117	125	140	147	171	171	171	190	200
	West	37	83	88	100	100	125	125	136	150	150	175	211
1878	East	31	100	108	117	120	137	143	150	157	160	183	190
	West	41	83	89	100	125	125	125	143	150	167	180	201
1879	East	31	100	108	117	120	137	143	147	157	160	179	190
	West	41	100	100	113	125	125	133	150	155	167	180	200
1880	East	30	108	117	120	125	139	147	171	171	175	190	200
	West	28	107	125	125	125	143	150	164	182	200	200	220

TABLE 57—(CONTINUED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

4.—Manufacture of machinery.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1860	East		100	100	100	100	100	100	100	100	100	100	100
	West		100	100	100	100	100	100	100	100	100	100	100
1861	East	40	91	95	100	100	100	100	100	109	120	134	179
	West	58	83	90	100	100	100	100	100	109	114	125	130
1862	East	40	84	95	98	100	100	100	100	109	140	150	179
	West	58	94	100	100	100	100	107	112	125	125	129	150
1863	East	40	93	100	100	113	117	117	131	140	150	160	200
	West	58	100	108	114	120	125	125	125	133	140	143	183
1864	East	40	100	100	117	125	131	139	158	167	167	180	200
	West	58	100	114	125	133	143	143	157	171	176	200	244
1865	East	40	100	100	133	136	150	162	167	179	180	200	238
	West	58	100	117	125	143	146	160	171	186	194	200	250
1866	East	40	100	114	133	150	167	167	176	180	188	201	333
	West	58	100	117	125	140	143	150	180	185	200	219	250
1867	East	40	100	114	150	154	167	178	183	200	200	200	223
	West	58	100	117	125	143	148	158	167	180	200	203	248
1868	East	40	100	114	149	150	167	175	179	183	200	200	223
	West	58	100	112	125	138	146	150	171	175	182	187	264
1869	East	40	90	100	133	150	167	167	176	182	187	191	214
	West	58	98	108	125	138	146	150	171	175	183	187	264

TABLE 57—(CONCLUDED).

Relative rates of wages in four industries in Eastern and Western States: by years, 1860-1880.

Year	Geographical Section	No. of Series	Lowest relative wage	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest relative wage
1870	East	39	80	107	133	150	167	173	176	181	190	200	214
	West	50	100	125	143	148	150	170	175	180	187	195	264
1871	East	26	90	150	167	171	180	183	188	195	200	223	340
	West	58	98	120	133	143	150	150	160	175	187	195	264
1872	East	26	100	150	171	173	183	187	190	200	200	223	340
	West	58	98	120	133	143	150	150	160	175	187	197	264
1873	East	30	100	136	154	173	175	187	200	200	209	227	360
	West	58	98	120	133	143	150	150	167	175	183	187	264
1874	East	26	100	122	143	150	173	175	183	200	213	259	360
	West	58	89	104	125	133	140	145	156	169	171	183	264
1875	East	29	100	117	149	150	157	175	181	195	213	259	360
	West	58	89	100	113	125	138	143	150	157	169	175	220
1876	East	29	90	114	136	146	167	169	180	200	213	250	360
	West	58	89	100	113	114	125	140	150	150	157	170	219
1877	East	26	90	114	135	140	154	167	175	183	213	250	360
	West	58	100	100	113	120	125	131	145	150	156	157	219
1878	East	26	90	126	136	143	150	154	173	183	200	241	360
	West	58	100	100	113	120	125	129	137	143	150	160	219
1879	East	26	90	123	136	143	150	153	173	183	200	241	360
	West	58	100	104	114	122	125	133	137	141	145	157	219
1880	East	35	100	125	137	150	159	167	180	192	200	233	385
	West	52	100	111	122	125	138	143	150	156	157	171	234

greater in degree. The evidence is so emphatic and so uniform as to leave little doubt that relative wages advanced more rapidly in the west during the war, were overtaken between 1865 and 1868 by the advance in the east, and fell far behind during the years of depression after the crisis of 1873.

III.—Comparison between the Tables of Relative Wages based on Data from the Aldrich Report and the Weeks Report.

Between the tables derived from the material of the *Aldrich Report* and the tables derived from the material of the *Weeks Report* there exist ostensible discrepancies so wide as to shake confidence in the trustworthiness of both sets of results. For example, the medians for 1871 in the two tables which include all the series from both sources are separated by an interval of more than 30 points. But the discrepancies between the simple and weighted arithmetic means of the Aldrich series (Table 46), and the discrepancies between the medians of Weeks's series for eastern and western states (Table 55), suggest that the divergencies of the two sets of results are due mainly to formal differences in the character of the data from which they are derived: namely, the presence in one case and absence in the other (1) of information about numbers employed and (2) of series from states west of Pennsylvania. To make a just comparison between the two sets of results, it is necessary to eliminate the influence of numbers employed from the averages for the Aldrich data, and to omit the western series from the averages for Weeks's data.

This result has been accomplished by computing deciles for the Aldrich series without regard to the number of wage-earners whom they represent, and by comparing the results with deciles for Weeks's series from eastern states. Table 58, in which the resulting figures are placed side by side, shows a great reduction of the discrepancies which exist between Tables 33 and 49. For example, the interval between the medians for 1871 is cut down from 33 points for January and 40 points for July to 7 and 8 points respectively. The maximum differences between the medians are now found in 1874 and amount to 12 and 13 points. But every year after wages had begun to rise, except 1880, the

TABLE 58.

Relative rates of wages of all series from the Aldrich Report and of all series for Eastern States from Weeks's Report: 1860-1880.

NOTE.—The series from the Aldrich Report are taken without reference to the number of persons whose rates of wages they represent. See note upon Table 49, and p. 203.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1860	Jan.	Aldrich	499	100	100	100	100	100	100	100	100	100	100	100
	July	Aldrich	496	41	99	100	100	100	100	100	100	101	105	140
		Census		100	100	100	100	100	100	100	100	100	100	100
1861	Jan.	Aldrich	483	70	91	99	100	100	100	100	102	106	112	149
	July	Aldrich	493	60	89	96	100	100	100	100	103	107	114	170
		Census	957	66	97	100	100	100	100	100	100	100	106	179
1862	Jan.	Aldrich	494	60	88	96	100	100	100	102	106	112	120	200
	July	Aldrich	500	60	87	95	100	100	100	104	109	113	122	200
		Census	960	58	96	100	100	100	100	100	100	110	117	200
1863	Jan.	Aldrich	495	54	94	100	100	103	107	111	114	120	133	240
	July	Aldrich	485	42	97	100	103	107	111	114	120	125	141	240
		Census	944	52	100	100	100	100	107	113	117	125	136	201
1864	Jan.	Aldrich	492	73	100	106	111	115	120	125	130	138	151	280
	July	Aldrich	515	68	102	113	120	125	132	139	147	152	169	280
		Census	967	70	100	100	109	115	121	129	137	150	167	250
1865	Jan.	Aldrich	512	63	108	119	127	135	143	150	155	164	179	320
	July	Aldrich	511	67	113	123	132	138	145	150	159	168	181	320
		Census	967	75	100	114	120	127	133	143	153	167	182	299
1866	Jan.	Aldrich	513	77	117	127	138	145	150	158	167	175	186	280
	July	Aldrich	509	73	119	131	141	150	154	160	169	179	190	280
		Census	953	75	100	120	130	139	150	156	167	177	200	400

TABLE 58—(CONTINUED).

Relative rates of wages of all series from the Aldrich Report and of all series for Eastern States from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan.	Aldrich	504	63	120	133	143	150	156	163	171	180	195	302
	July	Aldrich	507	74	120	134	145	150	158	164	175	183	200	280
		Census	944	75	100	120	133	142	150	160	167	181	200	400
1868	Jan.	Aldrich	499	73	120	133	143	150	158	163	170	180	200	280
	July	Aldrich	506	80	120	133	144	150	158	166	174	184	200	280
		Census	946	75	100	122	133	143	150	160	169	181	200	400
1869	Jan.	Aldrich	505	63	120	133	146	152	160	167	175	184	203	280
	July	Aldrich	509	63	120	134	147	154	161	170	177	188	206	325
		Census	945	66	100	123	136	146	150	162	171	183	200	534
1870	Jan.	Aldrich	510	77	118	133	144	153	162	170	178	187	204	325
	July	Aldrich	514	75	118	133	145	153	162	170	178	186	206	325
		Census	944	52	110	125	139	150	157	167	174	188	200	534
1871	Jan.	Aldrich	508	71	119	133	148	156	163	171	178	189	203	325
	July	Aldrich	507	78	120	136	149	158	164	173	179	192	203	301
		Census	886	65	106	125	139	150	156	167	173	188	200	563
1872	Jan.	Aldrich	511	73	120	136	150	158	165	174	182	200	212	307
	July	Aldrich	504	80	121	137	150	159	167	175	184	200	213	307
		Census	908	75	108	127	141	150	159	168	176	192	206	563
1873	Jan.	Aldrich	503	80	121	138	150	158	165	173	181	197	210	304
	July	Aldrich	509	74	122	138	150	159	167	175	183	200	213	304
		Census	907	75	108	126	140	150	159	167	176	192	208	563

TABLE 58—(CONCLUDED).

Relative rates of wages of all series from the Aldrich Report and of all series for Eastern States from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan.	Aldrich	503	51	117	133	145	154	162	171	179	191	204	300
	July	Aldrich	503	51	120	135	146	156	163	171	179	192	206	336
		Census	929	75	100	125	133	143	150	160	171	181	200	563
1875	Jan.	Aldrich	496	57	117	131	142	150	158	165	175	184	200	297
	July	Aldrich	500	57	115	130	141	150	157	163	174	182	200	329
		Census	930	67	100	121	131	139	149	156	167	177	200	513
1876	Jan.	Aldrich	490	57	109	125	136	145	150	160	167	179	200	403
	July	Aldrich	499	57	108	124	133	140	150	158	165	175	195	286
		Census	930	67	100	117	125	133	143	150	160	171	195	513
1877	Jan.	Aldrich	492	56	106	120	127	136	143	150	160	169	182	270
	July	Aldrich	501	56	103	120	128	136	143	150	160	170	186	267
		Census	917	63	100	113	123	129	135	145	156	167	188	475
1878	Jan.	Aldrich	495	57	105	117	126	135	141	149	159	169	184	267
	July	Aldrich	497	57	104	117	125	133	140	147	156	167	184	283
		Census	925	63	100	111	120	126	133	141	150	162	180	475
1879	Jan.	Aldrich	500	47	103	116	125	130	136	143	151	164	183	261
	July	Aldrich	503	47	103	115	125	130	134	140	150	162	181	269
		Census	922	67	100	108	120	125	131	138	150	160	180	438
1880	Jan.	Aldrich	506	52	105	118	125	130	136	143	152	165	185	254
	July	Aldrich	507	57	108	120	127	133	140	148	156	167	188	311
		Census	912	74	100	115	125	131	138	147	154	167	190	438

TABLE 59.

Average distribution of all wage-series from the Aldrich Report and of all wage-series for Eastern States from Weeks's Report over the field covered by the fluctuations of relative rates of wages from 1860 to 1880.

NOTE.—Based upon Table 58.

Average number of points in the scale of relative wages between	Census Series for Eastern States	Aldrich series
Lowest relative wages and 1st deciles	31.9	45.6
1st and 2d deciles	13.7	12.0
2d and 3d deciles	8.8	8.7
3d and 4th deciles	6.7	6.2
4th deciles and Medians	6.3	5.8
Medians and 6th deciles	7.5	6.3
6th and 7th deciles	7.6	7.2
7th and 8th deciles	11.0	9.5
8th and 9th deciles	16.0	14.4
9th deciles and highest relative wages	230.7	95.9
Lowest and highest relative wages	340.2	211.6

Aldrich medians stand somewhat higher than the Weeks medians in January or July, or both. The general agreement between the deciles other than the median is on the whole surprisingly close, except in the case of the first decile, which from 1865 to 1875 is considerably lower in the case of Weeks's series than in the case of the Aldrich series.

It still remains to inquire whether part of these remaining differences may not be due to the fact that the industries represented by the two sets of data are materially different. Among the 21 industries nominally included in the Aldrich data and the 30 industries nominally included in Weeks's data, there are only three which are well represented in both sets. And of these three —cotton textiles, woolen textiles, and metals and metallic goods— the last is rather doubtful because of the uncertainty about the kind of metallic goods meant. The next table makes a comparison between deciles for these three industries. The Aldrich series are again taken without reference to number of employees, and Weeks's series are confined to the eastern states.[12] In the cotton

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[12] Since there are only 4 western series for cotton textiles out of a total of 261 series, I have not thought it necessary to compute a new set of deciles for the eastern states only.

TABLE 60.

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

NOTE.—Series from the Aldrich Report are taken without reference to the number of persons whose pay they represent. Series from Weeks's Report are for Eastern States only. See note upon Table 49.

1.—Manufacture of cotton textiles.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1860	Jan.	Aldrich		100	100	100	100	100	100	100	100	100	100	100
	July	Aldrich	134	89	100	100	100	100	100	100	100	101	103	119
		Census		100	100	100	100	100	100	100	100	100	100	100
1861	Jan.	Aldrich	135	70	83	91	98	100	100	100	102	106	111	130
	July	Aldrich	135	70	83	92	99	100	100	101	104	107	113	134
		Census	257	66	94	100	100	100	100	100	100	100	104	134
1862	Jan.	Aldrich	132	69	83	88	98	100	100	102	106	111	114	140
	July	Aldrich	132	71	82	86	96	100	100	103	106	111	117	145
		Census	258	58	87	95	100	100	100	100	100	100	107	145
1863	Jan.	Aldrich	128	54	92	99	100	100	103	107	111	114	121	151
	July	Aldrich	122	55	95	100	100	100	105	107	111	114	121	158
		Census	240	58	90	100	100	100	100	100	103	110	117	141
1864	Jan.	Aldrich	132	78	98	100	106	111	114	119	125	133	150	197
	July	Aldrich	132	88	100	106	113	119	122	127	132	146	159	197
		Census	257	81	100	100	105	108	112	117	120	129	140	178
1865	Jan.	Aldrich	131	63	100	110	117	122	129	133	143	150	164	204
	July	Aldrich	131	88	110	117	125	130	133	140	149	159	172	201
		Census	258	89	100	111	117	124	129	133	142	150	167	266
1866	Jan.	Aldrich	135	77	117	125	134	144	150	158	165	175	187	242
	July	Aldrich	134	100	118	129	139	150	155	163	168	181	189	242
		Census	259	89	115	125	133	140	149	155	163	175	184	266

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan.	Aldrich	135	87	120	133	143	150	160	164	173	182	194	229
	July	Aldrich	135	87	120	137	144	152	160	164	175	186	197	225
		Census	261	89	117	127	139	148	155	162	171	180	192	292
1868	Jan.	Aldrich	135	85	123	136	143	150	157	161	170	177	192	256
	July	Aldrich	135	85	123	134	143	150	158	163	172	179	192	257
		Census	261	89	117	126	138	144	150	160	167	176	187	250
1869	Jan.	Aldrich	135	88	120	133	143	150	156	161	170	179	195	263
	July	Aldrich	135	88	119	133	144	150	157	163	174	181	200	263
		Census	261	83	117	127	138	145	151	160	168	177	192	263
1870	Jan.	Aldrich	135	77	117	133	140	150	160	164	171	179	193	261
	July	Aldrich	135	75	117	133	139	150	160	168	175	181	197	261
		Census	259	89	117	132	141	150	155	163	169	178	194	355
1871	Jan.	Aldrich	132	78	117	133	146	158	163	168	176	191	211	301
	July	Aldrich	132	78	117	133	146	158	163	170	179	190	211	301
		Census	254	89	120	136	144	150	157	164	172	178	200	563
1872	Jan.	Aldrich	133	82	117	133	148	159	164	172	186	200	217	307
	July	Aldrich	134	82	120	133	150	160	164	174	186	200	215	307
		Census	254	89	120	137	144	150	160	167	174	181	200	563
1873	Jan.	Aldrich	134	82	120	133	146	157	163	171	179	193	212	304
	July	Aldrich	134	82	120	133	146	153	162	174	183	194	213	304
		Census	252	89	125	138	146	152	160	169	176	189	206	563

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan.	Aldrich	134	51	120	128	140	147	153	161	170	183	200	262
	July	Aldrich	134	51	121	130	139	146	154	164	172	185	202	262
		Census	252	89	123	133	142	149	152	160	171	179	200	563
1875	Jan.	Aldrich	133	57	113	125	131	137	148	155	161	174	191	239
	July	Aldrich	133	57	105	125	131	137	146	154	160	174	188	243
		Census	252	89	120	130	135	144	150	157	168	177	195	513
1876	Jan.	Aldrich	132	57	102	119	125	133	143	150	161	175	188	237
	July	Aldrich	132	57	102	118	125	133	139	149	159	166	182	237
		Census	257	79	111	125	133	139	144	150	159	167	187	513
1877	Jan.	Aldrich	133	56	99	114	123	130	140	145	152	164	176	237
	July	Aldrich	133	56	99	114	124	132	140	144	151	164	175	237
		Census	257	79	106	120	129	133	140	146	154	165	175	475
1878	Jan.	Aldrich	131	57	99	113	120	130	138	143	151	164	176	237
	July	Aldrich	131	57	99	112	120	130	137	143	148	164	181	283
		Census	257	80	100	120	126	132	135	142	150	160	174	475
1879	Jan.	Aldrich	131	47	103	114	121	129	133	140	146	165	186	225
	July	Aldrich	131	47	103	113	121	129	133	139	146	162	186	225
		Census	257	78	100	115	122	127	131	134	143	153	168	438
1880	Jan.	Aldrich	132	52	105	118	124	130	135	143	154	166	187	232
	July	Aldrich	132	57	105	118	125	131	137	146	155	167	187	228
		Census	255	75	107	121	128	133	139	145	151	160	175	438

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

2.—Manufacture of woolen textiles.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1860	Jan.	Aldrich		100	100	100	100	100	100	100	100	100	100	100
	July	Aldrich	58	75	94	100	100	100	100	100	100	101	109	137
		Census		100	100	100	100	100	100	100	100	100	100	100
1861	Jan.	Aldrich	55	75	100	100	100	100	100	100	104	107	114	136
	July	Aldrich	57	60	95	100	100	100	100	100	105	109	115	143
		Census	118	79	100	100	100	100	100	100	100	100	105	123
1862	Jan.	Aldrich	59	60	94	100	100	100	100	104	106	113	121	140
	July	Aldrich	59	60	92	100	100	100	104	109	113	117	120	148
		Census	118	79	100	100	100	100	100	100	102	106	113	133
1863	Jan.	Aldrich	61	60	95	100	104	108	109	112	117	120	128	218
	July	Aldrich	59	60	90	100	100	105	109	113	117	120	142	218
		Census	118	65	100	100	100	105	108	113	114	117	126	150
1864	Jan.	Aldrich	55	84	100	104	107	111	117	125	127	132	150	218
	July	Aldrich	62	90	100	107	111	116	122	128	136	148	150	218
		Census	118	80	100	100	102	114	120	129	136	143	151	177
1865	Jan.	Aldrich	62	82	104	108	116	124	132	143	150	164	180	262
	July	Aldrich	61	86	109	115	120	125	132	138	151	160	184	262
		Census	118	82	120	128	133	140	145	150	157	169	182	230
1866	Jan.	Aldrich	61	88	111	117	124	127	138	150	159	175	192	262
	July	Aldrich	59	80	116	120	128	136	149	150	166	179	195	262
		Census	118	82	120	133	140	145	150	157	167	177	200	230

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan.	Aldrich	58	80	116	123	133	137	145	150	167	175	200	262
	July	Aldrich	60	80	113	120	131	137	145	150	153	167	193	262
		Census	118	82	120	133	140	145	149	150	158	175	188	230
1868	Jan.	Aldrich	59	80	113	121	131	136	140	148	150	156	181	250
	July	Aldrich	58	80	112	120	132	137	146	150	153	163	200	250
		Census	118	82	120	135	142	147	150	156	167	173	189	230
1869	Jan.	Aldrich	59	80	112	125	132	137	148	150	163	171	202	250
	July	Aldrich	59	80	111	120	133	140	149	154	163	175	200	270
		Census	117	82	124	135	143	149	150	164	170	182	200	230
1870	Jan.	Aldrich	61	80	119	125	135	145	150	151	169	181	200	270
	July	Aldrich	60	78	107	124	132	143	150	151	171	181	200	270
		Census	117	99	122	138	150	152	160	170	175	188	200	243
1871	Jan.	Aldrich	61	80	117	127	136	142	150	163	175	181	200	270
	July	Aldrich	61	80	120	127	136	141	150	159	175	183	200	270
		Census	90	99	128	138	149	150	156	164	170	172	195	229
1872	Jan.	Aldrich	61	80	117	127	135	143	149	158	176	200	200	270
	July	Aldrich	60	80	106	128	136	142	149	156	175	195	203	286
		Census	90	100	129	140	150	150	160	168	170	182	200	229
1873	Jan.	Aldrich	60	80	109	132	138	144	150	155	175	200	200	229
	July	Aldrich	61	80	125	132	138	146	150	158	177	200	206	229
		Census	90	88	125	139	150	150	157	163	171	177	200	229

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan.	Aldrich	60	80	102	111	123	137	144	152	174	183	200	232
	July	Aldrich	59	80	109	132	137	141	150	162	175	189	200	291
		Census	115	75	125	133	146	150	157	164	175	192	200	313
1875	Jan.	Aldrich	60	80	109	133	138	147	149	163	170	181	200	217
	July	Aldrich	59	80	109	133	138	145	150	160	174	185	200	229
		Census	113	100	120	133	140	150	158	164	171	188	200	313
1876	Jan.	Aldrich	60	80	108	127	135	142	149	155	164	175	200	229
	July	Aldrich	59	80	100	111	127	136	144	153	165	175	194	229
		Census	113	88	114	125	134	143	150	157	169	183	200	313
1877	Jan.	Aldrich	52	80	100	109	126	130	137	144	164	175	183	226
	July	Aldrich	60	80	100	113	127	135	139	151	165	172	183	235
		Census	113	80	112	119	130	135	148	153	160	178	200	313
1878	Jan.	Aldrich	60	80	99	113	127	136	140	148	166	175	183	237
	July	Aldrich	60	80	100	113	128	135	139	148	167	175	188	244
		Census	114	80	110	117	125	133	140	153	160	178	200	313
1879	Jan.	Aldrich	60	80	100	113	127	131	138	148	167	175	186	239
	July	Aldrich	60	80	100	113	128	135	140	154	167	175	186	269
		Census	114	82	105	117	125	133	139	150	162	175	200	313
1880	Jan.	Aldrich	61	80	113	122	130	134	140	150	171	178	207	254
	July	Aldrich	61	80	115	122	130	134	141	153	174	182	207	311
		Census	114	82	112	120	127	136	148	153	163	175	200	313

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

3.—Manufacture of metals and metallic goods.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1860	Jan.	Aldrich		100	100	100	100	100	100	100	100	100	100	100
	July	Aldrich	125	74	98	100	100	100	100	100	101	103	107	128
		Census		100	100	100	100	100	100	100	100	100	100	100
1861	Jan.	Aldrich	115	86	97	100	100	100	100	100	102	104	110	126
	July	Aldrich	121	72	91	96	100	100	100	101	103	107	118	136
		Census	178	80	93	100	100	100	100	100	100	100	117	179
1862	Jan.	Aldrich	130	75	91	97	100	100	100	103	106	109	116	134
	July	Aldrich	132	75	94	98	100	100	102	104	109	112	118	152
		Census	173	75	96	100	100	100	100	100	109	114	127	179
1863	Jan.	Aldrich	132	80	97	100	100	103	106	110	114	117	122	180
	July	Aldrich	131	69	100	102	106	110	114	116	121	125	133	182
		Census	180	52	100	100	100	113	114	118	125	134	150	200
1864	Jan.	Aldrich	132	75	100	110	114	117	120	125	129	133	143	235
	July	Aldrich	135	68	109	120	125	132	138	143	150	157	165	192
		Census	180	75	100	100	117	125	133	141	156	167	180	229
1865	Jan.	Aldrich	135	81	117	129	136	141	148	151	159	166	174	225
	July	Aldrich	134	67	117	126	137	144	150	153	159	167	174	225
		Census	179	75	100	111	125	133	143	159	167	180	200	296
1866	Jan.	Aldrich	134	84	117	125	139	144	150	156	165	171	176	227
	July	Aldrich	134	81	119	130	143	148	152	159	167	172	178	257
		Census	171	75	100	117	133	140	150	163	172	186	200	333

TABLE 60—(CONTINUED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Wecks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1867	Jan.	Aldrich	135	78	120	135	144	150	156	160	167	173	180	303
	July	Aldrich	134	74	120	136	147	152	157	163	167	175	183	257
		Census	171	75	100	117	133	143	151	167	177	197	200	296
1868	Jan.	Aldrich	132	74	120	136	148	150	158	164	168	176	185	257
	July	Aldrich	133	96	121	138	146	152	157	163	167	177	187	257
		Census	173	75	100	117	133	150	153	164	177	190	200	296
1869	Jan.	Aldrich	133	100	123	141	150	154	159	165	169	176	186	257
	July	Aldrich	130	98	120	140	150	154	160	165	171	177	186	307
		Census	173	66	100	117	133	150	155	167	180	188	200	296
1870	Jan.	Aldrich	128	91	118	133	148	154	160	166	174	180	192	257
	July	Aldrich	131	89	120	133	148	153	158	165	171	178	186	303
		Census	178	52	100	117	133	150	160	167	176	188	200	296
1871	Jan.	Aldrich	131	71	120	131	149	155	158	166	170	177	183	257
	July	Aldrich	126	91	120	137	149	154	160	166	171	177	184	257
		Census	162	65	100	117	140	150	158	171	180	190	210	340
1872	Jan.	Aldrich	122	91	119	138	150	154	159	167	171	177	185	257
	July	Aldrich	123	91	123	136	150	157	162	167	172	180	193	257
		Census	165	75	100	117	142	152	164	175	188	200	218	375
1873	Jan.	Aldrich	123	94	120	137	152	158	163	170	175	178	190	257
	July	Aldrich	123	74	123	137	152	159	163	171	176	182	199	257
		Census	169	75	100	117	141	150	164	175	190	200	218	360

TABLE 60—(CONCLUDED).

Relative rates of wages in three industries according to data obtained from the Aldrich Report and from Weeks's Report: 1860-1880.

Year	Month	Source	No. of Series	Lowest Relative Wage	1st Decile	2nd Decile	3rd Decile	4th Decile	Median	6th Decile	7th Decile	8th Decile	9th Decile	Highest Relative Wage
1874	Jan.	Aldrich	120	74	114	133	145	154	160	168	173	179	194	257
	July	Aldrich	118	74	117	139	149	156	160	168	171	180	193	257
		Census	162	77	100	115	125	138	143	151	161	176	200	360
1875	Jan.	Aldrich	116	74	115	130	141	147	156	160	171	177	194	257
	July	Aldrich	120	88	110	127	140	146	153	158	164	174	180	257
		Census	169	77	100	112	120	130	140	143	150	167	200	360
1876	Jan.	Aldrich	112	68	106	128	137	141	149	154	160	167	180	257
	July	Aldrich	117	63	106	125	137	139	147	150	160	165	186	236
		Census	166	67	96	100	117	125	129	137	144	160	192	360
1877	Jan.	Aldrich	118	73	107	120	131	137	141	148	155	163	179	236
	July	Aldrich	117	68	102	120	128	134	139	144	150	163	182	236
		Census	159	63	91	100	112	120	125	131	140	150	176	360
1878	Jan.	Aldrich	117	66	105	120	126	134	138	143	150	162	179	236
	July	Aldrich	118	58	103	119	125	130	136	141	150	160	179	236
		Census	159	63	90	100	109	120	125	133	143	154	175	360
1879	Jan.	Aldrich	122	79	100	116	122	126	133	138	141	151	171	222
	July	Aldrich	123	79	101	114	122	127	130	134	139	150	167	238
		Census	161	75	89	100	106	120	125	129	140	150	175	360
1880	Jan.	Aldrich	124	79	102	117	122	128	130	134	140	150	169	215
	July	Aldrich	125	79	104	120	126	130	136	140	149	157	167	215
		Census	154	74	98	100	114	125	133	143	150	161	188	385

manufacturing industry the medians for the Aldrich series show a somewhat higher range up to 1874 inclusive and in 1878 and '79; in 1875, '76, and '80 Weeks's medians are slightly higher; and in 1877 the medians are the same. On the whole, the correspondence between the deciles as well as the medians is closer than one could expect from two sets of data collected independently. The comparison for woolen goods shows the medians practically the same in 1863 and 1864, Weeks's medians higher from 1865 to 1877, practical equality again in 1878 and '79, and Weeks's medians higher once more in 1880. The differences are somewhat wider than in the case of cotton goods; but study of the deciles as well as the medians shows that the agreements are more striking than the differences. In the industry—or rather, group of industries—called ''metals and metallic goods'' in the *Aldrich Report*, the correspondence is fairly close up to 1873; but Weeks's series indicate a much more sudden drop in wage-rates after the crisis than do the Aldrich series. The latter, however, show a continuous fall until 1879, and in 1880 there is again close agreement between the medians. However, the doubt about the character of the establishments grouped under this caption deprives both the agreements and disagreements of much of their significance.

The general result of these comparisons is to strengthen the claim of both sets of figures to recognition as a reliable indication of the trend and, broadly speaking, the degree of variations in wage-rates in manufacturing industries from 1860 to 1880. The substantial agreement of the two sets of data collected at different dates by different organizations, for different purposes, by different methods, for different times in the year, and largely from different establishments, argues strongly for the representative character of both sets. This conclusion does not mean, however, that the tables constructed from Weeks's data are a reliable index of average change in the rates at which wage-earners were paid in manufacturing industries. For Weeks's data give no information about the numbers of the persons whose wages were changed in varying degrees. They therefore err in the same fashion as Falkner's table, showing too slight an advance in relative wages from 1860 to 1872 and too slight a fall from 1872 to 1879. The real value of the tables made from Weeks's data is (1) that they testify to the representative character of the Aldrich data for the eastern states; (2) that they establish the conclusion that wages rose more rapidly in the west than the east during the war, but less rapidly afterwards; and (3) that they make it possible to study the course of wages in several industries for which the *Aldrich Report* supplies little or no information.

IV.—Relative Rates of Wages in Other than Manufacturing Industries.

a.—Wages of Farm Labor.

The preceding tables based on the Aldrich and the Weeks reports take no account of the largest class of American wage-earners—farm laborers. This serious gap in our information can be partially filled, however, by data collected by the federal Department of Agriculture. In 1866 the department's statistician, Mr. J. R. Dodge, collected 1,510 statements regarding farm wages from statistical correspondents of the department, or county officials, scattered over every state and territory where farming was carried on to a considerable extent. Similar investigations were made again in 1869, 1875, 1879 and 1882. The results were published in tables showing by states the average wages of farm laborers ''per month for the year or season,'' ''per day in harvest,'' and ''per day.'' Further, wages both ''with board'' and ''without board'' were given for each of these three forms of hiring.[13] Of these returns, the statisticians of the department seem to regard wages ''per month, for the year or season'' as the most significant. Their averages of these rates for geographical sections both with and without board for the five inquiries of 1866 to 1882 are accordingly presented in Table 61.[14]

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[13] The results of these and later investigations are conveniently presented in ''Wages of Farm Labor in the United States. Results of Eleven Statistical Investigations, 1866-1899, U. S. Department of Agriculture, Division of Statistics, Miscellaneous Series—Bulletin No. 22.'' Washington, 1901.

These figures show a marked fall of wages in all of the geographical divisions of the country between 1866 and 1879, and also a less marked rise everywhere except on the Pacific Coast after 1879. In these respects they agree with the results previously obtained from the Aldrich and Weeks data for manufacturing industries. In another respect, however, there appears to have been a difference between the fluctuations of wages on farms and in factories. Farm wages were somewhat higher in 1866 than in 1869—the Pacific States again excepted—; but factory

TABLE 61.

Actual monthly wages of farm laborers, employed by the year or season, with and without board, in the United States, and in five geographical sections, in 1866, 1869, 1875, 1879, and 1882.

NOTE.—From ''Wages of Farm Labor in the United States,'' U. S. Department of Agriculture, Division of Statistics, Miscellaneous Series, Report No. 4, pp. 8 and 9.

Without Board.

Years	United States	Eastern States	Middle States	Southern States	Western States	Pacific States
1866	$26.87	$33.31	$29.83	$16.63	$27.84	$44.60
1869	25.92	32.03	29.19	16.49	26.39	46.38
1875	19.49	29.00	26.99	15.28	23.25	43.50
1879	16.05	21.36	20.24	12.65	19.81	40.11
1882	18.58	26.55	23.21	14.67	23.26	37.22

With Board.

Years	United States	Eastern States	Middle States	Southern States	Western States	Pacific States
1866	$17.45	$20.82	$19.01	$10.75	$18.48	$29.48
1869	16.55	20.44	18.37	10.55	17.04	28.69
1875	12.72	18.59	16.98	9.94	15.44	28.13
1879	10.43	13.03	12.37	8.46	12.75	25.88
1882	12.41	16.92	14.71	9.92	15.60	23.73

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[14] The geographical divisions used are as follows: Eastern States—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut; Middle States—New York, New Jersey, Pennsylvania, Delaware; Southern States—Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas, Tennessee; Western States—West Virginia, Kentucky, Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Kansas, Nebraska, South Dakota, North Dakota, Pacific States—California and Oregon. The returns for the Mountain States were too scanty in these early years to be significant, and no returns were published for Indian Territory or Washington. The averages seem to be made by weighting the average rates for each state by the number of agricultural laborers employed within it as reported by the census.

wages were on the whole higher in 1869 than 1866. The Aldrich data indicate a considerable advance between these two dates, and the Weeks data a moderate advance.

These comparisons are limited to the direction in which wages varied from time to time, and it is desirable to supplement them by comparisons of the degree of the variations. To do so, however, is difficult, because all our tables of relative wages in manufacturing industries are based on actual wages in 1860, and because we have but scanty information about farm wages before 1866. Our knowledge is limited to a surmise made by Mr. Dodge in 1866, and a few old records collected in 1892. In publishing the results of his first investigation Mr. Dodge wrote, "The result shows an increase of the rates of wages in five years amounting to about 50 per cent.," and "This is less than the increase of the cost of living;"[15] but he gave no definite data in support of this view. A belated attempt to supply statistics for earlier years was made in connection with the investigation of 1892. The Department of Agriculture then requested its correspondents to send in copies of any accessible wage-records relating to years before 1866. The result was the publication of a considerable number of fragmentary statements, diverse in form, limited in geographical reference, and applying to widely varying dates.[16] No satisfactory comparisons can be made between these records and the averages for states published in 1866; but a few series, extending from 1860 to 1865, can be culled from the mass, and the conclusion deduced that in these particular cases farm wages increased between 50 and 60 per cent. But the number of these series is so small that the result has little significance.[17] It is not safe to say more than that wages of farm laborers appear from our scanty information to have advanced somewhat less rapidly than the wages of factory laborers during the Civil War.

For 1866 and later years a somewhat better comparison is possible. To get figures as nearly comparable as possible with the data for farm wages, I have collected all the series from both the Aldrich and the Weeks reports showing daily wages of "common laborers" in 1866, 1869, 1875, and 1879; made averages for the states whenever five or more series were available, and compared the results with the Department of Agriculture's figures for wages of farm laborers employed by the day without board. The averages for both the eastern and western states are made without regard to the number of employees or number of series, because these facts are not stated with reference to the figures for farm laborers. The averages therefore possess little significance, except as convenient summaries of the figures for the several states. For purposes of computing relative wages, Mr. Dodge's opinion is adopted that by 1866 wages had risen about 50 per cent. above the level of 1861, and actual wages in later years are converted into percentages on the basis: wages in 1866 = 150. The same basis is of course taken for factory laborers; but the preceding tables indicate that by 1866 laborers employed in factories had on the average obtained somewhat more than 50 per cent. increases upon actual wages in 1860 or 1861.

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[15] *Report of the Commissioner of Agriculture for the Year 1866;* p. 81.

[16] *Wages of Farm Labor in the United States.* U. S. Department of Agriculture, Division of Statistics, Miscellaneous Series, Report No. 4, pp. 54-69.

[17] See *History of the Greenbacks*, pp. 321-4.

These figures, presented in Table 62, make possible several different comparisons. (1) The fall in farm wages between 1866 and 1879 was considerably greater than the fall in the wages of ordinary laborers employed in factories. If Dodge's opinion that farm wages had advanced about 50 per cent. by 1866 is correct, the farm hand had lower money wages in 1879 than before the civil war, while the factory laborer still retained a large part of the gains made during the paper-standard period. (2) Actual wages of laborers employed on farms were higher in 1866 than actual wages of laborers employed in factories in 8 of the 13 states for which statistics are given. But in 1879 there was only one state—Connecticut—where the farm hand had higher wages. (3) When the eastern and western states are compared, it appears that the fall in wages between 1866 and 1879 was somewhat greater in the west for both farm and factory hands. The figures for 1869 and 1875 indicate that the fall began earlier in the west. (4) Actual wages of farm laborers were lower in the western than in the eastern states at all dates; actual wages of factory laborers on the other hand were higher in the west in 1866, but were reduced below the eastern averages in later years.

TABLE 62.

Actual and relative daily wages of "common laborers" employed in factories and on farms, in 1866, 1869, 1875, and 1879.

Data obtained from the Aldrich Report, Weeks's Report, and the Department of Agriculture.

NOTE.—See the explanations upon pp. 220, 221.

State	Place of Employment	No. of Series	Actual Wages per Day				Relative Wages			
			1866	1869	1875	1879	1866	1869	1875	1879
Maine	Factories	6	$1.513	$1.513	$1.456	$1.218	150	150	144	121
	Farms	....	1.49	1.48	1.46	0.97	150	149	147	98
New Hampshire	Factories	7	1.353	1.381	1.459	1.266	150	153	162	140
	Farms	....	1.67	1.79	1.50	0.98	150	161	135	88
Massachusetts	Factories	26	1.569	1.624	1.537	1.359	150	155	147	130
	Farms	....	1.83	1.92	1.44	1.05	150	157	118	86
Connecticut	Factories	11	1.488	1.583	1.535	1.274	150	160	155	128
	Farms	....	1.75	1.87	1.50	1.50	150	160	129	129
New York	Factories	25	1.447	1.484	1.411	1.241	150	154	146	129
	Farms	....	1.75	1.64	1.48	0.92	150	141	127	79
New Jersey	Factories	11	1.574	1.619	1.402	1.247	150	154	134	119
	Farms	....	1.68	1.63	1.45	0.99	150	146	129	88
Pennsylvania	Factories	24	1.601	1.596	1.414	1.313	150	150	132	123
	Farms	....	1.59	1.43	1.37	0.96	150	135	129	91
Av. for preceding states	Factories	110	1.506	1.543	1.459	1.274	150	154	145	127
	Farms	....	1.68	1.68	1.457	1.053	150	150	130	94

State	Place of Employment	No. of Series	Actual Wages per Day				Relative Wages			
			1866	1869	1875	1879	1866	1869	1875	1879
Ohio	Factories	17	$1.607	1.606	$1.399	$1.308	150	150	131	122
	Farms	....	1.54	1.44	1.35	1.00	150	140	132	97
Indiana	Factories	11	1.43	1.413	1.283	1.127	150	148	135	118
	Farms	....	1.45	1.36	1.30	0.90	150	141	134	93
Illinois	Factories	5	1.483	1.483	1.346	1.316	150	150	136	133
	Farms	....	1.62	1.50	1.37	1.01	150	139	127	94
Wisconsin	Factories	6	1.423	1.327	1.206	1.213	150	140	127	128
	Farms	....	1.78	1.56	1.42	1.12	150	131	120	94
Missouri	Factories	6	1.783	1.66	1.337	1.229	150	140	112	103
	Farms	....	1.44	1.44	1.07	0.67	150	150	111	70
Kentucky	Factories	7	1.455	1.452	1.333	1.362	150	150	137	140
	Farms	....	1.21	1.10	1.03	0.77	150	136	128	95
Av. for preceding states	Factories	52	1.53	1.49	1.317	1.259	150	146	129	123
	Farms	....	1.507	1.40	1.257	0.912	150	139	125	91
Av. for all states	Factories	162	1.52	1.52	1.39	1.27	150	150	137	125
	Farms	....	1.60	1.54	1.36	0.98	150	144	128	92

Our conclusion regarding the general trend of wage-fluctuations must be slightly modified in the light of these data for the one occupation which is followed by the largest number of American wage-earners. Were we able to include in our general tables properly weighted series for farm laborers, it is probable that the relative wages in the latter '60's would be somewhat lower, and certain that the decline in the '70's would be greater and the final figures for 1880 not so much above the level of 1860.

b.—Salaries of School Teachers.

Among the data collected for the *Aldrich Report* were a number of carefully selected series of figures showing the annual salaries paid to school teachers in two Massachusetts counties and in four cities—Boston, Baltimore, Cincinnati, and St. Louis. Only maximum and minimum salaries paid to teachers of different grades were taken, because such figures were thought to come nearest representing pay for work of uniform quality. Table 63 presents relative figures based on actual salaries for each of the cities and the two country districts, and Table 64 gives deciles for all the series, except those from Boston, which are omitted because of the lack of data for 8 years.

The figures show no advance in salaries until 1864. But in that year the school boards of the four cities and the two counties granted increases, though these increases were less than the average of the gains made by the wage-earners for whom the *Aldrich Report* gives data—except in Baltimore where salaries had been so very low in 1860 that a small increase in actual pay appears as a large relative increase. In the next year Boston and the Massachusetts counties granted further increases to their teachers; and after the war was over all four cities and the two counties made substantial additions to salaries. The scales fixed by Baltimore and Cincinnati in 1868 were maintained without substantial change until 1880; in Boston, St. Louis and the Massachusetts counties the scales were advanced to maxima in 1873, '74, '75, and '76 respectively, and then reduced again. The relative figures for 1880 stand high above the weighted averages for all industries

TABLE 63.

Arithmetic means of relative salaries of male and female school teachers in four cities and two country districts: by years, 1860-1880. Data obtained from the Aldrich Report.

	St. Louis			Boston			Cincinnati		
Year	M	F	M & F	M	F	M & F	M	F	M & F
1860	100	100	100	100	100	100	100	100	100
1861	60	78	67	100	100	100	87	91	89
1862	76	90	82	100	100	100	87	91	89
1863	—	—	—	100	100	100	100	100	100
1864	115	131	121	109	127	116	120	100	110
1865	115	131	121	125	145	133	120	100	110
1866	129	143	135	125	145	133	152	133	143
1867	—	—	—	148	162	155	152	159	156
1868	146	155	149	148	162	155	155	159	157
1869	149	155	151	—	—	—	155	159	157
1870	149	173	158	—	—	—	155	159	157
1871	158	173	164	—	—	—	155	159	157
1872	157	173	163	—	—	—	155	159	157
1873	154	173	168	154	185	167	155	159	157
1874	154	173	168	—	—	—	155	159	157
1875	161	173	166	—	—	—	155	159	157
1876	161	159	160	154	200	173	155	159	157
1877	143	151	146	145	175	157	155	159	157
1878	138	153	144	139	192	160	155	159	157
1879	138	153	144	—	—	—	155	159	157
1880	138	153	144	—	—	—	155	159	157

	Baltimore			Country Schools			Cities and Country (Boston excluded)		
Year	M	F	M & F	M	F	M & F	M	F	M & F
1860	100	100	100	100	100	100	100	100	100
1861	100	100	100	101	95	98	86	94	90
1862	100	100	100	100	99	99	90	96	93
1863	100	100	100	102	97	99	100	99	100
1864	131	178	162	105	100	103	119	141	131
1865	131	178	162	128	115	122	123	143	134
1866	159	249	219	136	126	131	145	187	168
1867	159	249	219	142	130	136	152	203	182
1868	176	244	221	142	140	141	156	195	177
1869	176	244	221	158	145	152	160	195	179
1870	176	244	221	152	150	151	159	199	180
1871	176	244	221	158	154	156	162	199	182
1872	176	244	221	153	160	157	161	200	182
1873	176	244	221	167	169	168	163	202	184
1874	176	244	221	173	169	171	164	202	184
1875	176	244	221	175	175	175	166	203	186
1876	176	244	221	159	176	167	163	201	184
1877	176	244	221	158	166	162	158	198	180
1878	170	244	219	152	163	157	154	198	178
1879	170	244	219	144	155	149	152	197	176
1880	170	244	219	138	151	145	151	196	176

TABLE 64.

Deciles of relative salaries of school teachers: by years, 1860-1880.
Data obtained from the Aldrich Report.

NOTE.—Constructed from the same series of relative salaries used in Table 63. The series for Boston are omitted.

Year	No. of Series	Lowest	1st decile	2d decile	3d decile	4th decil	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860	24	100	100	100	100	100	100	100	100	100	100	100
1861	24	48	67	82	89	91	94	100	100	100	100	102
1862	24	64	83	87	90	92	99	100	100	100	100	100
1863	19	94	100	100	100	100	100	100	100	100	100	102
1864	24	98	100	100	106	120	120	125	140	167	171	250
1865	24	100	100	109	120	120	122	127	140	167	171	250
1866	24	100	118	133	136	141	147	159	167	200	233	400
1867	19	124	133	137	147	158	164	167	180	233	250	400
1868	24	110	133	142	149	159	167	177	180	192	232	408
1869	24	120	133	149	158	160	167	177	180	192	232	408
1870	24	120	133	149	158	160	167	178	180	212	232	408
1871	24	128	133	149	159	164	167	180	180	212	232	408
1872	24	128	133	149	158	167	167	178	180	212	232	408
1873	24	120	133	158	166	167	167	178	180	212	232	408
1874	24	120	133	151	167	167	175	180	182	212	232	408
1875	24	120	133	158	167	170	178	180	182	212	232	408
1876	24	107	133	152	166	167	176	180	183	212	232	408
1877	24	107	133	154	159	162	167	178	180	196	232	408
1878	24	104	133	149	159	160	162	167	180	200	232	408
1879	24	104	128	149	156	159	160	167	180	200	232	408
1880	24	104	120	148	155	158	160	167	180	200	232	408

of the *Aldrich Report* in Baltimore, decidedly above in Cincinnati, and slightly above in St. Louis and the Massachusetts counties. The arithmetic means of all series indicate that teachers were relatively worse off than the average manual worker in manufacturing industries until 1866, then in about the same position until 1872, and decidedly better off from 1874 to 1880. But these arithmetic means are unduly influenced by the high relative salaries received by female teachers in Baltimore who had received in 1860 less than $300 per year. It is therefore better to compare the deciles and medians of Table 64 with the corresponding figures of Table 33. If this be done it appears that the majority of teachers for whom we have data were not so well off in the matter of relative money wages as the majority of factory hands until 1875, when the decline in wages in manufacturing industries had gotten well under way. From this time on to the end they were decidedly better off.

In school teachers we have a class of wage-earners employed in establishments not managed for the sake of pecuniary profits, receiving annual salaries instead of daily wages, lacking effective organization to promote their pecuniary interests, and engaged in an occupation where tradition plays a considerable rôle. We should expect, therefore, that their money incomes would be readjusted to a new scale of prices more slowly than in the case of factory hands, and such is what our scanty statistical materials show. Because of this relative inelasticity of their money incomes, teachers suffered with exceptional severity from the sudden rise of prices during the war, and profited exceptionally from the fall of prices after the crisis of 1873.

V.—Fluctuations in the Price of Labor Compared with Fluctuations in the Price of Gold, of Commodities at Wholesale, of Commodities at Retail, and of Cost of Living.

a.—The Representative Character of the Table of Relative Wages Used in the Following Comparisons.

In comparing the fluctuations in the price of labor during the years of the paper standard with the fluctuations in the prices of gold and of commodities, it is best to rely upon the material from the *Aldrich Report*. For though the number of wage-series from this source is little over a third of the number from *Weeks's Report,* these series were collected with greater care, refer to definite months of the year, and show numbers employed. Moreover, the comparison which has been made between the two sets of wage-tables shows that they are in substantial agreement with each other after the formal differences in the character of the materials have been eliminated.[18] It is probable that if Weeks's data showed numbers employed, the deciles weighted by these numbers would be as much higher than the present deciles as the weighted deciles of the Aldrich series are higher than the simple deciles. The existing differences between the tables for all industries made from the two sets of data, therefore, afford no ground for doubting the approximately representative character of the higher range of relative wages shown by the tables based on the *Aldrich Report.*

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[18] See section iii of this chapter.

But study of the tables based on *Weeks's Report* lends emphasis to a warning. Our table must be interpreted as showing changes in relative rates of wages in the New England and North Atlantic States only. According to the tables based on *Weeks's Report,* relative wages in the North Central States were somewhat higher during the war and somewhat lower during the '70's than in states east of Ohio. It is therefore probable that if our material from the *Aldrich Report* covered the northern states from Maine to Missouri, the deciles for 1863 to 1865 would be somewhat higher and the deciles for 1870 to 1880 somewhat lower. Regarding wages in states south of the Potomac and west of the Mississippi we have practically no information. Similarly, study of farm wages and teachers' salaries emphasizes the warning that our tables based on the *Aldrich Report* must be interpreted as showing wage-changes in a limited number of industries—mainly manufacturing. It is probable that if we had adequately weighted series for farm laborers and school teachers, we should find our more inclusive table for all industries showing a less rapid advance during the war. Whether the fall after the war would be materially affected by the inclusion of series for both these groups is less certain;—farm laborers suffered a rapid loss in wages after 1869; but teachers continued to gain until the later '70's and then had their salaries reduced in a more moderate degree than the great mass of manual wage-earners. Probably the larger numbers of farm laborers would outweigh the influence of the school-teachers. But there are also large classes of salaried men and women, such as clerical employees in public and private offices, and salespeople, whose pay probably varied according to the school-teacher type rather than the farm-laborer type. Their inclusion might well keep the farm laborers from depressing the grand averages for all wage-earners toward the end of the greenback period much below the level shown by our present tables. Finally, Table 58, which compares unweighted deciles for all industries from the *Aldrich Report* with similar figures relating to the eastern states only from the *Weeks Report,* suggests that the manufacturing industries omitted from the first source and included in the second showed a somewhat lower range of relative wages than the industries for which the *Aldrich Report* gives data.

What, then, does our table of relative wages based on the *Aldrich Report* represent? Strictly speaking, it represents only the variations in the rates of daily wages paid to an average of between five and six thousand persons employed in a limited number of industries—chiefly manufacturing—in states north of Maryland and east of Ohio. But is there warrant for believing that the changes in the pay of this body of wage-earners are fairly representative of the changes in the pay of the larger body of wage-earners for whom the *Aldrich Report* gives no data? What we are able to learn from various sources about other important classes of wage-earners indicates that the inclusion of data for them in our table would exercise opposing influences on the result. (1) Probably the advance in wages up to 1865 would be increased somewhat by the inclusion of data for factory employees in the North Central States, and diminished somewhat by the inclusion of data for certain excluded branches of manufacturing, for farm laborers, for school teachers, and for other salaried people. (2) Probably the fall of wages after the crisis of 1873 would be increased by the inclusion of data for western factory hands and for farm laborers, but diminished by the inclusion of data for school teachers and other salaried people. When these opposing influences are weighted in the mind, the force of the depressing factors seems rather greater. On the whole our table, as an index of changes in rates of wages in states north of the Potomac and east of the Mississippi, probably errs in the direction of exaggerating the advance in wages during the war and minimizing the fall in wages during the later '70's. But there is no ground for doubting the correctness of the table as a representative of the general type of the wage changes which took place under the greenback standard in that large section of the United States from which our information comes. Whatever modifications the table would undergo, could they be made all-inclusive, would be modifications only in degree of movement, and these modifications in degree would probably be small in comparison with the scope of wage-changes as a whole.

The representative character of our table for all employees whose wages are given in the *Aldrich Report* can be improved by excluding the series for one industry—"city public works." Though the municipal employees for whom we have data belong to occupations largely represented among the employees of private contracting firms, still it is notorious that considerations not of a business sort sometimes have much influence in determining the wages paid by American cities. A glance back at Tables 35 and 37 shows that the fluctuations of wages in this "industry" differed widely from the fluctuations in industries where business motives played a larger rôle in fixing terms of employment. From 1863 to 1876 "city public works" show very high relative wages; in July, 1879 very low relative wages. Moreover the number of employees represented by the city series is subject to extraordinary variations, ranging from a maximum of 2,466 in July, 1860, to a minimum of 260 in January, 1880. These extraordinary variations in numbers exercise an arbitrary influence on the position of the deciles in the table for all industries. On the whole, therefore, there is reason to believe that our chief wage-table will be a fairer index of the course of wages if the 22 series for "city public works" are excluded. The result of exclusion is to give a lower range to the deciles and medians in most years. That is, the new table used in the following comparisons, differs from the general table for all industries covered by the *Aldrich Report* in the direction which the preceding paragraphs suggest that it ought to differ.

b.—Relative Wages and the Price of Gold.

The first comparison, that between the price of labor and the price of gold, can best be made by studying the next chart. The differences of movement shown there are more striking than the similarities. Gold advanced in price rapidly though unsteadily through 1862 and 1863, to its climax in July, 1864; then declined rapidly though unsteadily till May, 1865, when it stood for a brief time below the median for wages; it fluctuated for the next four years around 140; dropped during the last months of 1869 and the first months of 1870 to the level of about 113, where it stayed until 1876; and finally declined gradually from this level in the spring of 1876 to 100 at the end of 1878. Meanwhile wages, though advancing more slowly, continued to advance long after gold had fallen back from the extreme prices of the war, and did not reach their maximum until 1871 or 1872. By this time even the lowest decile for wages stood above the ruling quotations for gold, and it continued to do so for the rest of the period, despite the fact that wages declined rapidly after 1873, while gold remained nearly stable in price from 1870 to 1876.

c.—Relative Wages and Relative Prices at Wholesale.

The material for comparing wages and wholesale prices is presented in Table 65 and Chart VII. The short-lived business depression during the winter and spring of 1860-'61 affected wages less than prices, and so did the changed business and monetary conditions of 1862. Rapid as was the advance of wages in the following years it was surpassed by the advance in prices. In January, 1865, when prices reached their maximum, the 9th decile for wages was but little higher than the 2d decile for prices. After that date prices fell, though unsteadily, while wages continued to advance until July, 1872. The result of these opposite movements was that in 1872 the median for wages stood 50 points above the median for prices. After July, 1872, both prices and wages declined and at about the same pace. In July, 1879, when the lowest point was reached, the median for wages was 51 points above the median for prices. Both moved up again in 1880, but prices so much faster than wages that the interval between the medians was reduced to 29 points. In brief, the differences between the movements of wages and wholesale prices are like the differences between the movements of wages and gold in general character, but less extreme in degree.

Another characteristic difference between the two sets of fluctuations is that wages covered a narrower range and showed closer concentration around the median. This fact is graphically shown by the chart, and more accurately by the figures of Table 66. Of course the extreme range of wholesale prices is due in considerable part to the very high price of cotton during the war;

TABLE 65.

Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.

NOTE.—Relative wholesale prices taken from Table 4. Relative rates of wages derived from Table 33, after excluding the series for "City Public Works." See pp. 229, 230.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860	Jan.	Prices		80	100	100	100	100	100	100	100	100	107	149
	Jan.	Wages	3683	100	100	100	100	100	100	100	100	100	100	100
	Apr.	Prices		81	95	98	100	100	100	100	103	109	115	142
	July	Prices		75	89	95	96	99	100	100	100	103	113	136
	July	Wages	3972	41	98	99	100	100	100	100	100	101	105	137
	Oct.	Prices		77	90	93	97	100	100	100	101	109	118	159
1861	Jan.	Prices		74	83	89	94	97	100	100	103	108	117	155
	Jan.	Wages	3519	70	95	99	100	100	100	100	102	107	113	149
	Apr.	Prices		52	80	89	90	94	96	100	102	109	117	173
	July	Prices		50	66	76	86	91	96	100	100	108	120	205
	July	Wages	3922	60	92	97	98	100	100	100	102	107	116	143
	Oct.	Prices		60	75	83	90	94	97	100	103	111	125	363
1862	Jan.	Prices		63	80	89	93	96	100	105	117	133	150	380
	Jan.	Wages	3595	60	94	98	99	100	100	101	105	109	120	200
	Apr.	Prices		70	80	90	93	95	100	103	117	127	149	370
	July	Prices		52	75	88	91	98	100	106	117	127	167	640
	July	Wages	3723	60	91	97	100	100	102	104	109	113	120	200
	Oct.	Prices		65	81	91	100	102	111	118	125	133	165	563

TABLE 65—(Continued).

Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1863	Jan.	Prices		75	93	100	109	117	125	132	143	159	193	625
	Jan.	Wages	3060	54	98	100	103	105	109	113	117	123	142	240
	Apr.	Prices		72	100	112	125	129	137	150	163	186	233	675
	July	Prices		67	100	106	117	127	134	144	157	175	200	895
	July	Wages	3749	42	100	103	106	111	114	115	121	126	142	240
	Oct.	Prices		67	100	112	120	129	135	141	150	170	200	773
1864	Jan.	Prices		69	114	127	140	145	156	166	178	200	228	750
	Jan.	Wages	3929	75	100	109	114	120	124	130	136	142	164	280
	Apr.	Prices		75	124	133	151	161	169	178	198	212	261	960
	July	Prices		89	139	157	167	181	194	200	221	266	308	1410
	July	Wages	4457	68	108	117	125	130	135	140	148	155	168	280
	Oct.	Prices		94	147	166	174	194	200	217	237	263	337	1101
1865	Jan.	Prices		89	160	176	191	200	216	241	256	272	318	1096
	Jan.	Wages	3960	63	117	127	134	141	148	152	159	169	179	320
	Apr.	Prices		94	133	150	162	179	190	200	212	240	270	796
	July	Prices		79	105	128	138	150	158	171	189	207	252	759
	July	Wages	4328	67	125	132	140	145	151	155	163	169	178	320
	Oct.	Prices		96	125	138	150	168	175	200	216	243	277	833
1866	Jan.	Prices		100	122	135	154	170	182	200	209	232	277	824
	Jan.	Wages	4643	77	126	141	146	153	163	168	174	177	185	280
	Apr.	Prices		94	115	126	149	161	173	190	200	215	250	833
	July	Prices		89	120	137	147	167	181	195	200	219	250	815
	July	Wages	4931	73	132	146	150	156	158	167	175	180	186	280
	Oct.	Prices		93	123	137	150	158	173	181	199	212	263	880

TABLE 65—(CONTINUED).

Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1867	Jan.	Prices		89	112	125	142	153	169	174	190	209	228	861
	Jan.	Wages	5183	63	137	148	152	161	172	177	182	182	188	302
	Apr.	Prices		89	110	125	141	150	166	175	197	207	228	648
	July	Prices		86	107	119	136	147	150	164	180	202	233	870
	July	Wages	4989	74	137	149	155	160	163	172	179	184	194	280
	Oct.	Prices		87	109	123	142	150	162	173	185	197	220	741
1868	Jan.	Prices		85	100	119	132	150	158	170	187	200	225	787
	Jan.	Wages	4587	73	134	148	154	163	167	175	176	184	191	280
	Apr.	Prices		84	100	126	135	150	162	177	188	200	250	787
	July	Prices		82	100	122	132	143	154	173	180	195	206	435
	July	Wages	4976	80	137	148	156	165	171	175	180	185	200	280
	Oct.	Prices		88	105	121	138	150	159	173	179	196	221	500
1869	Jan.	Prices		82	103	117	132	150	159	172	180	190	227	361
	Jan.	Wages	4862	63	138	150	156	165	174	178	184	193	204	280
	Apr.	Prices		81	108	125	135	146	159	172	180	196	220	377
	July	Prices		73	100	117	134	141	158	167	178	187	200	361
	July	Wages	5555	63	141	153	161	169	175	180	189	205	212	325
	Oct.	Prices		68	100	118	136	142	153	162	177	181	200	444
1870	Jan.	Prices		70	100	112	128	140	147	152	166	178	200	352
	Jan.	Wages	5505	77	138	151	160	167	175	180	188	200	208	325
	Apr.	Prices		67	100	106	123	132	140	147	159	174	200	367
	July	Prices		67	98	108	123	127	132	144	161	179	200	380
	July	Wages	5463	75	134	150	160	167	175	179	184	203	209	325
	Oct.	Prices		65	100	104	119	129	135	147	154	174	192	324

TABLE 65—(CONTINUED).

Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1871	Jan.	Prices		60	94	105	119	127	133	141	154	171	189	343
	Jan.	Wages	5303	71	134	151	162	169	178	184	191	198	205	325
	Apr.	Prices		61	100	110	121	127	131	140	150	164	180	337
	July	Prices		64	90	102	118	125	130	142	149	158	180	333
	July	Wages	5799	78	138	153	163	173	179	189	196	200	207	301
	Oct.	Prices		64	97	111	118	125	129	142	150	162	182	361
1872	Jan.	Prices		55	100	108	121	129	133	142	150	164	185	343
	Jan.	Wages	5259	73	134	150	159	169	174	179	196	200	217	307
	Apr.	Prices		55	93	105	120	130	140	150	159	171	200	324
	July	Prices		55	90	104	117	125	130	144	152	169	198	330
	July	Wages	6130	80	139	155	165	175	180	190	200	204	213	307
	Oct.	Prices		55	97	116	122	129	133	144	153	173	195	326
1873	Jan.	Prices		55	92	110	124	129	135	145	153	164	194	361
	Jan.	Wages	5180	80	136	150	159	166	175	182	186	198	212	304
	Apr.	Prices		58	94	105	125	130	137	147	156	168	200	333
	July	Prices		58	92	103	114	123	130	142	152	168	196	333
	July	Wages	5428	74	136	153	161	171	176	187	195	206	222	304
	Oct.	Prices		58	92	104	116	125	131	146	151	167	196	367
1874	Jan.	Prices		58	97	106	115	124	130	141	150	160	200	352
	Jan.	Wages	5098	51	133	147	155	163	170	180	185	195	204	300
	Apr.	Prices		58	95	106	116	122	129	140	150	170	200	346
	July	Prices		58	95	106	111	118	130	139	146	166	199	352
	July	Wages	5181	51	138	150	158	166	173	177	185	191	204	336
	Oct.	Prices		58	92	105	112	124	130	136	142	156	185	394

TABLE 65—(Continued).

Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1875	Jan.	Prices		67	93	103	110	121	127	133	147	160	193	359
	Jan.	Wages	4617	57	130	143	149	157	161	168	175	181	199	297
	Apr.	Prices		64	92	102	109	119	125	136	145	152	172	407
	July	Prices		55	92	99	105	112	121	129	140	149	174	432
	July	Wages	5068	57	130	143	146	154	160	164	173	179	195	329
	Oct.	Prices		45	89	99	106	110	120	129	137	150	162	426
1876	Jan.	Prices		59	89	95	100	109	117	125	131	144	160	398
	Jan.	Wages	4341	57	125	137	144	149	156	163	175	179	191	403
	Apr.	Prices		61	85	95	103	106	115	125	131	144	159	394
	July	Prices		64	79	91	98	104	110	117	123	137	156	391
	July	Wages	5070	57	124	132	139	143	150	155	163	173	180	286
	Oct.	Prices		55	80	89	95	101	108	116	127	140	153	393
1877	Jan.	Prices		61	78	89	100	107	114	124	129	138	160	393
	Jan.	Wages	4710	56	119	125	133	142	146	151	156	166	176	270
	Apr.	Prices		41	76	86	92	100	108	119	126	136	150	409
	July	Prices		41	75	83	89	99	100	110	123	133	158	391
	July	Wages	5200	56	118	125	131	136	141	147	154	163	174	267
	Oct.	Prices		41	76	83	88	96	102	112	120	128	137	396
1878	Jan.	Prices		45	74	81	85	90	99	108	117	125	140	382
	Jan.	Wages	4691	57	115	125	129	137	142	150	155	168	176	267
	Apr.	Prices		36	67	76	80	85	96	100	113	125	142	378
	July	Prices		36	67	72	77	85	90	97	102	109	132	378
	July	Wages	5186	57	115	123	127	131	140	148	153	167	176	283
	Oct.	Prices		45	63	69	78	85	94	100	106	120	138	380

TABLE 65—(Concluded).

Relative rates of wages of employees of manufacturing industries in Eastern States and relative wholesale prices: 1860-1880.

Date	Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1879 Jan.	Prices		46	57	68	76	83	88	94	107	124	142	370
Jan.	Wages	4864	47	113	122	125	131	140	144	152	166	176	261
Apr.	Prices		36	62	68	75	81	84	95	104	119	150	370
July	Prices		36	59	67	72	81	85	93	103	118	150	370
July	Wages	5504	47	114	120	125	129	136	142	150	160	178	269
Oct.	Prices		36	64	75	80	86	95	102	110	123	144	380
1880 Jan.	Prices		36	78	86	93	100	108	116	123	133	150	393
Jan.	Wages	5376	52	117	122	125	130	137	142	155	166	178	254
Apr.	Prices		36	74	87	94	102	107	112	122	140	164	382
July	Prices		36	69	79	87	95	102	108	117	126	150	385
July	Wages	6183	57	115	127	132	135	140	150	155	164	177	311
Oct.	Prices		36	73	85	91	97	101	110	118	126	142	398

TABLE 66.

Average distribution of wage-earners represented in Table 65, and of 92 series of relative wholesale prices, over the fields covered by the fluctuations of relative wages and relative wholesale prices, from 1860 to 1880.

NOTE.—The figures for wages are based upon Table 65. The figures for wholesale prices are taken from Table 5.

Average intervals between	Relative wages	Relative wholesale prices
Lowest relative wages or prices and 1st deciles	57.2 points	30.1 points
1st deciles and 2d deciles	10.0 points	10.3 points
2d deciles and 3d deciles	5.7 points	9.6 points
3d deciles and 4th deciles	5.9 points	8.6 points
4th deciles and medians	5.4 points	7.4 points
Medians and 6th deciles	5.3 points	9.3 points
6th deciles and 7th deciles	6.4 points	8.4 points
7th deciles and 8th deciles	7.5 points	15.4 points
8th deciles and 9th deciles	10.6 points	25.6 points
9th deciles and highest relative wages or prices	96.7 points	298.0 points
Lowest and highest relative wages or prices	210.7 points	422.7 points

but if the comparison be confined to the limits marked by the 1st and 9th deciles, the average ranges are found to be over 90 points in one case and less than 60 points in the other case. It should be added, however, that if our tables for wages had been constructed to show the variations in the wages for different kinds of work, instead of the wages of different wage-earners, the concentration around the median would be somewhat less marked.

d.—Relative Wages and Relative Prices at Retail.

Again the data for comparison are presented in the form of a table and a chart. Retail-price fluctuations have been shown to deviate from wholesale-price fluctuations in much the same way as the latter deviated from the fluctuations of gold. When we put the deciles for retail prices side by side with the deciles for wages, we therefore find a much closer correspondence than that between wholesale prices and wages. Retail prices appear to have stood higher in 1861-'63 in comparison with their level in 1860 than did wholesale prices, but they advanced less rapidly in 1864 and 1865, and did not reach their maximum until 1866. Thereafter, also, they fell more slowly until 1879, and rose less sharply in

TABLE 67.

Relative rates of wages of employees of manufacturing industries in Eastern States, and relative retail prices: 1860-1880.

NOTE.—The relative retail prices are taken from Table 21. The relative rates of wages are taken from Table 65.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860	Jan.	Wages	3683	100	100	100	100	100	100	100	100	100	100	100
		Prices		100	100	100	100	100	100	100	100	100	100	100
	July	Wages	3972	41	98	99	100	100	100	100	100	101	105	137
1861	Jan.	Wages	3519	70	95	99	100	100	100	100	102	107	113	149
		Prices		90	93	98	103	103	104	106	108	113	122	128
	July	Wages	3922	60	92	97	98	100	100	100	102	107	116	143
1862	Jan.	Wages	3595	60	94	98	99	100	100	101	105	109	120	200
		Prices		97	103	109	111	113	115	120	128	132	150	211
	July	Wages	3723	60	91	97	100	100	102	104	109	113	120	200
1863	Jan.	Wages	3060	54	98	100	103	105	109	113	117	123	142	240
		Prices		113	120	125	129	140	143	151	154	167	185	319
	July	Wages	3749	42	100	103	106	111	114	115	121	126	142	240
1864	Jan.	Wages	3929	75	100	109	114	120	124	130	136	142	164	280
		Prices		133	136	153	156	160	170	186	188	205	236	454
	July	Wages	4457	68	108	117	125	130	135	140	148	155	168	280
1865	Jan.	Wages	3960	63	117	127	134	141	148	152	159	169	179	320
		Prices		144	149	160	168	174	176	190	206	216	230	411
	July	Wages	4328	67	125	132	140	145	151	155	163	169	178	320
1866	Jan.	Wages	4643	77	126	141	146	153	163	168	174	177	185	280
		Prices		141	147	155	166	170	180	187	200	215	224	334
	July	Wages	4931	73	132	146	150	156	158	167	175	180	186	280

TABLE 67—(CONTINUED).

Relative rates of wages of employees of manufacturing industries in Eastern States, and relative retail prices: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1867	Jan.	Wages	5183	63	137	148	152	161	172	177	182	182	188	302
		Prices		127	138	149	165	170	172	177	188	212	217	263
	July	Wages	4989	74	137	149	155	160	163	172	179	184	194	280
1868	Jan.	Wages	4587	73	134	148	154	163	167	175	176	184	191	280
		Prices		116	133	147	161	168	174	179	185	196	211	232
	July	Wages	4976	80	137	148	156	165	171	175	180	185	200	280
1869	Jan.	Wages	4862	63	138	150	156	165	174	178	184	193	204	280
		Prices		98	133	146	156	162	164	172	179	187	203	209
	July	Wages	5555	63	141	153	161	169	175	180	189	205	212	325
1870	Jan.	Wages	5505	77	138	151	160	167	175	180	188	200	208	325
		Prices		91	128	140	150	155	157	162	169	176	194	203
	July	Wages	5463	75	134	150	160	167	175	179	184	203	209	325
1871	Jan.	Wages	5303	71	134	151	162	169	178	184	191	198	205	325
		Prices		69	121	131	137	144	146	152	157	164	175	194
	July	Wages	5799	78	138	153	163	173	179	189	196	200	207	301
1872	Jan.	Wages	5259	73	134	150	159	169	174	179	196	200	217	307
		Prices		66	116	131	136	139	144	149	153	163	170	193
	July	Wages	6130	80	139	155	165	175	180	190	200	204	213	307
1873	Jan.	Wages	5180	80	136	150	159	166	175	182	186	198	212	304
		Prices		61	112	126	131	134	137	147	151	159	167	187
	July	Wages	5428	74	136	153	161	171	176	187	195	206	222	304

TABLE 67—(CONCLUDED).

Relative rates of wages of employees of manufacturing industries in Eastern States, and relative retail prices: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1874	Jan.	Wages	5098	51	133	147	155	163	170	180	185	195	204	300
		Prices		55	111	123	127	131	136	144	147	157	162	181
	July	Wages	5181	51	138	150	158	166	173	177	185	191	204	336
1875	Jan.	Wages	4617	57	130	143	149	157	161	168	175	181	199	297
		Prices		51	109	122	125	127	134	139	145	150	159	169
	July	Wages	5068	57	130	143	146	154	160	164	173	179	195	329
1876	Jan.	Wages	4341	57	125	137	144	149	156	163	175	179	191	403
		Prices		49	107	116	124	127	129	135	141	148	156	165
	July	Wages	5070	57	124	132	139	143	150	155	163	173	180	286
1877	Jan.	Wages	4710	56	119	125	133	142	146	151	156	166	176	270
		Prices		50	102	111	116	122	127	131	139	147	152	171
	July	Wages	5200	56	118	125	131	136	141	147	154	163	174	267
1878	Jan.	Wages	4691	57	115	125	129	137	142	150	155	168	176	267
		Prices		41	96	104	115	121	122	128	131	139	143	165
	July	Wages	5186	57	115	123	127	131	140	148	153	167	176	283
1879	Jan.	Wages	4864	47	113	122	125	131	140	144	152	166	176	261
		Prices		36	95	103	113	118	118	121	127	136	145	162
	July	Wages	5504	47	114	120	125	129	136	142	150	160	178	269
1880	Jan.	Wages	5376	52	117	122	125	130	137	142	155	166	178	254
		Prices		35	95	102	114	116	118	127	131	135	144	167
	July	Wages	6183	57	115	127	132	135	140	150	155	164	177	311

1880. In all these respects their movements are more like the movements of wages. Still, important differences remain in that wages advanced from 1866 to July, 1872 while retail prices were falling; wages fell more rapidly from 1873 to 1879 than did retail prices, and exhibited greater changes between 1879 and 1880.

e.—Relative Wages and Relative Cost of Living.

The preceding comparisons between the fluctuations of relative wages on the one hand and gold, prices at wholesale, and prices at retail on the other hand, are interesting to students of money and prices, because they show characteristic differences in the promptness and completeness with which different classes of money prices (in the large sense) are readjusted to meet the conditions created by the transition from a monetary standard of specie to one of irredeemable paper. But they do not answer well the question of greatest social interest:—namely, How did the issue of the greenbacks affect the economic fortunes of wage-earners?

The best way of seeking an answer to this question from our material is to compare our standard table of wage-deciles with the arithmetic means of relative cost of living in the eastern states. The deciles for cost of living represent changes in the relative money cost of successive tenths of the items which make up typical workingmen's family budgets. Since a family is interested in the average change in the money cost of what it consumes as a whole, these deciles are of little significance. Further, the median is clearly a less significant form of average here than the arithmetic mean; for the latter shows the net result of all changes in the cost of articles consumed more accurately than the former. Finally, the figures for the cost of living are for the eastern states alone, because our table of wages contains practically no data for establishments west of Pennsylvania. In the table which presents these two sets of figures the relative cost of living is placed each year between the January and July wage-deciles which it most nearly equals. The chart, however, shows the situation more clearly than the table.

The data indicate that the advance of retail prices in 1861 put nearly nine-tenths of the wage-earners for whom we have data in

TABLE 68.

Relative rates of wages of employees of manufacturing industries in Eastern States, and relative cost of living: 1860-1880.

NOTE.—The figures for relative cost of living are taken from Table 28; those for relative rates of wages from Table 65. Regarding the position of the figures for relative cost of living, see p. 241.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1860	Jan.	Wages	3683	100	100	100	100	100	100	100	100	100	100	100
		C of L							100					
	July	Wages	3972	41	98	99	100	100	100	100	100	101	105	137
1861	Jan.	Wages	3519	70	95	99	100	100	100	100	102	107	113	149
		C of L											111	
	July	Wages	3922	60	92	97	98	100	100	100	102	107	116	143
1862	Jan.	Wages	3595	60	94	98	99	100	100	101	105	109	120	200
		C of L											123	
	July	Wages	3723	60	91	97	100	100	102	104	109	113	120	200
1863	Jan.	Wages	3060	54	98	100	103	105	109	113	117	123	142	240
		C of L											137	
	July	Wages	3749	42	100	103	106	111	114	115	121	126	142	240
1864	Jan.	Wages	3929	75	100	109	114	120	124	130	136	142	164	280
		C of L											163	
	July	Wages	4457	68	108	117	125	130	135	140	148	155	168	280
1865	Jan.	Wages	3960	63	117	127	134	141	148	152	159	169	179	320
		C of L											175	
	July	Wages	4328	67	125	132	140	145	151	155	163	169	178	320
1866	Jan.	Wages	4643	77	126	141	146	153	163	168	174	177	185	280
		C of L								172				
	July	Wages	4931	73	132	146	150	156	158	167	175	180	186	280

TABLE 68.—(CONTINUED).

Relative rates of wages of employees of manufacturing industries in Eastern States, and relative cost of living: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1867	Jan.	Wages	5183	63	137	148	152	161	172	177	182	182	188	302
		C of L						164						
	July	Wages	4989	74	137	149	155	160	168	172	179	184	194	280
1868	Jan.	Wages	4587	73	134	148	154	163	167	175	176	184	191	280
		C of L						165						
	July	Wages	4976	80	137	148	156	165	171	175	180	185	200	280
1869	Jan.	Wages	4862	63	138	150	156	165	174	178	184	193	204	280
		C of L						163						
	July	Wages	5555	63	141	153	161	169	175	180	189	205	212	325
1870	Jan.	Wages	5505	77	138	151	160	167	175	180	188	200	208	325
		C of L					157							
	July	Wages	5463	75	134	150	160	167	175	179	184	203	209	325
1871	Jan.	Wages	5303	71	134	151	162	169	178	184	191	198	205	325
		C of L				148								
	July	Wages	5799	78	138	153	163	173	179	189	196	200	207	301
1872	Jan.	Wages	5259	73	134	150	159	169	174	179	196	200	217	307
		C of L				147								
	July	Wages	6130	80	139	155	165	175	180	190	200	204	213	307
1873	Jan.	Wages	5180	80	136	150	159	166	175	182	186	198	212	304
		C of L				149								
	July	Wages	5428	74	136	153	161	171	176	187	195	206	222	304

TABLE 68—(CONCLUDED).

Relative rates of wages of employees of manufacturing industries in Eastern States, and relative cost of living: 1860-1880.

Date		Character of data	No. of wage-earners	Lowest	1st decile	2d decile	3d decile	4th decile	Median	6th decile	7th decile	8th decile	9th decile	Highest
1874	Jan.	Wages	5098	51	133	147	155	163	170	180	185	195	204	300
		C of L				145								
	July	Wages	5181	51	138	150	158	166	173	177	185	191	204	336
1875	Jan.	Wages	4617	57	130	143	149	157	161	168	175	181	199	297
		C of L				141								
	July	Wages	5068	57	130	143	146	154	160	164	173	179	195	329
1876	Jan.	Wages	4341	57	125	137	144	149	156	163	175	179	191	403
		C of L				134								
	July	Wages	5070	57	124	132	139	143	150	155	163	173	180	286
1877	Jan.	Wages	4710	53	119	125	133	142	146	151	156	166	176	270
		C of L					131							
	July	Wages	5200	56	118	125	131	136	141	147	154	163	174	267
1878	Jan.	Wages	4691	57	115	125	129	137	142	150	155	168	176	267
		C of L					126							
	July	Wages	5186	57	115	123	127	131	140	148	153	167	176	283
1879	Jan.	Wages	4864	47	113	122	125	131	140	144	152	166	176	261
		C of L					123							
	July	Wages	5504	47	114	120	125	129	136	142	150	160	178	269
1880	Jan.	Wages	5376	52	117	122	125	130	137	142	155	166	178	254
		C of L				125								
	July	Wages	6183	57	115	127	132	135	140	150	155	164	177	311

a worse position than they had held in 1860. In 1862 the situation became a trifle worse and it did not improve materially until 1866. If our figures give a fair picture of the situation, the period of advancing prices must have forced painful economies upon the vast majority of working-men's families. The low level of relative real wages in 1865 explains why money wages should have continued to advance after the end of the war. The decline of prices in 1866 still left nearly seven-tenths of the wage-earners for whom we have data worse off than in 1860; but the greater fall of prices in 1867, together with the further increase of wages, reduced this proportion to about four-tenths. The wage-changes from 1867 on, therefore, cannot be explained as a defence of the standard of living prevailing in 1860. In other words, the advance in money wages from 1867 to 1872 represents a real improvement in the position of wage earners—very slow from 1867 to 1869, faster in the next two years. After the crisis of 1873, the figures indicate that rates of wages and money cost of living declined at about the same pace until 1876; but in 1877 workingmen seem to have lost some ground which they did not recover until 1880. In that year practically four-fifths of the whole number were in a better position than they had been in 1860, and the majority in a decidedly better position.

It would be an error, however, to accept these figures of relative rates of wages and relative cost of living as an accurate indication of the changes in the economic position of the whole body of American wage-earners during the years of the paper standard. First, we cannot assume a high degree of accuracy in our figures for cost of living. As was pointed out in Chapter III, the materials from which they are constructed leave much to be desired in point of fullness. But there is no reason to doubt that they afford a better indication of the changes in cost of living than the figures for prices at wholesale or the unweighted figures for prices at retail. Nor have we any information which discredits them as a rough index of the general trend of changes in cost of living. They would have to be proved seriously out of the way to invalidate the broad conclusion which it is sought to base upon them.

Second, reasons have been given for believing that our deciles for wages err by overstating somewhat the advance in rates of wages during and perhaps after the Civil War, and by understating somewhat the decline in rates of wages after the crisis of 1873. Allowance for this probable error can be made, but vaguely, by saying that the price-changes during the war were probably even more unfavorable to wage-earners than the figures suggest, and that the price-changes after 1873 probably deprived wage-earners of a larger part of the gains made between 1865 and 1872 than the figures suggest. In these statements the term price-changes covers, of course, changes both in the prices received by wage-earners for their labor and the prices paid by them for articles of family consumption.

Third, to measure changes in the economic prosperity of wage-earners in a satisfactory fashion by the use of tables of cost of living, it is necessary to know how the annual money incomes of wage-earners have changed. This information is not supplied by tables of relative wages, no matter how accurate they may be. For variations in constancy of employment are of not less importance in determining changes in wage-earners' incomes than are variations in the daily rates of pay. Unfortunately we have no independent information on this subject of sufficiently definite character to admit of quantitative formulation. Our own table, however, shows that in the 74 establishments which it embraces marked changes took place in the number of persons employed. Taking the mean between the figures for January and July of each year as a basis for comparison, we find the numbers declining from 1860 to 1863, then increasing until 1872 (except for temporary pauses in 1865 and 1868), falling off in the times of depression following the panic of 1873 to a low point in 1876, then rising slowly till the middle of 1879 and finally leaping forward under the stimulus of the business revival occasioned by the crop conditions of that year. What we know from other sources regarding business conditions from year to year makes it highly probable that these changes in numbers employed in our 74 establishments can be accepted as broadly typical of the business demand for labor throughout the northern states. From these changes in number of employees it is safe to draw certain broad conclusions regarding the relative constancy of employment offered to wage-earners in these establishments. In 1861 the decline in real wages was greater than the comparison between rates of wages and cost of living suggests, because a considerable number of men were thrown out of employment for at least part of the year by the business difficulties which followed secession. The same remark seems applicable to 1862 and 1863; but the decline in the number of men employed by our business establishments may have been due, not so much to lack of work, as to large enlistments. In 1864, however, the still larger numbers of the federal armies did not prevent our establishments from securing a larger force than they had had in 1860—though the increase is hardly greater than might be expected in four years. The improvement in real wages which Table 69 indicates as following the close of the war, appears greater rather than less in the light of the data for numbers employed. For, except in 1868, a steady increase in the demand for labor and hence in steadiness of employment is indicated. But the conclusion regarding real wages after the crisis of 1873 requires serious modification. Table 69 indicates that the position of workmen hardly changed between 1871 and 1876, because the changes in wage-rates and in cost of living were nearly the same. From what we know of business conditions, however, and from what our data for number of employees show, it is practically certain that during these years wage-earners suffered a serious decline in real incomes because of lack of work. On the other hand, there must have been a larger gain in real incomes after July, 1879, than Table 69 indicates, because of the sudden increase in the demand for labor.

A summary of these various conclusions about real wages cannot be made in very definite terms, because we cannot frame quantitative statements of (1) the changes in constancy of employment, or (2) of the exaggeration, probably contained in our table, of the advance in money wages from 1860 to 1872, or (3) of the probable under-statement of the decline in money wages from 1873 to 1879. But it does seem safe to say this much: (1) Practically all wage-earners suffered a loss of real wages in 1861, due in part to an advance in the cost of living without a corresponding advance in money wages, and in part to a smaller demand for labor. (2) Their condition probably grew worse rather than better in 1862, and improved but little in 1863. (3) In 1864, however, a decided improvement probably took place; for, though the cost of living continued to rise as rapidly as the money wages of factory hands, the demand for labor became greater, and a large number of salaried people began to get substantial increases in pay. (4) How 1865 compared with 1864 is uncertain; but in the years 1866 to 1872 wage-earners undoubtedly made great gains, and the majority probably attained a position decidedly better than their fellows had enjoyed in 1860. For money wages increased on the whole, salaries were raised, cost of living declined, and demand for labor was active during most of the time. (5) These large gains over 1863 and the smaller gains over 1860 were in large measure lost during the years of depression which followed the crisis of 1873. Our table indicates a substantial equivalance in the fall of money wages and the cost of living; but when we combine the more rapid fall of wages in the western states and among farm laborers with the diminished opportunties for employment, it appears certain that annual money incomes diminished much more rapidly than living expenses. It is not improbable that from 1876 to 1878 wage-earners were on the whole considerably worse off than they had been in 1860. Salaried people, however, fared better, and the majority who kept their positions were probably more benefited by the fall of prices than injured by reductions of pay. (6) Finally, a quick and large improvement began in the summer and autumn of 1879. Wages increased faster than living expenses, and demand for labor suddenly became brisk. The conclusion suggested by Table 69 that wage-earners were in a better position in 1880 than they had been in 1860 is probably just.

CHAPTER V.

THE INTER-RELATIONS BETWEEN THE FLUCTUATIONS IN THE PRICES OF GOLD, OF COMMODITIES AT WHOLESALE, OF COMMODITIES AT RETAIL, AND OF LABOR.

I.—The Price-Revolutions of the Greenback Period and their Causes.

The period of the greenback standard forms a curiously complete episode in the history of American prices. During these 17 years the whole complex system of money prices underwent two revolutions—first a great rise, then a great fall. The preceding chapters show that the price-fluctuations of both revolutions were extraordinary in violence, rapidity, variety, and inclusiveness. Not only commodities at wholesale—which alone are commonly taken to represent the price-level—; but also commodities at retail and labor fluctuated in price through wide ranges. Seldom has a highly organized business community carried on its transactions for 17 years on the basis of such unstable prices.

The chief cause of both these price-revolutions was the monetary policy of the federal government. No other conclusion is admissible in face of the evidence adduced to show the vast difference between the fluctuations in wholesale prices of identical lists of commodities in the United States on the one side, and in England and Germany on the other side (see Tables 6-11). Before the war, when a specie standard existed in both the United States and these countries, the American and European price levels were in fairly close agreement. Such agreement continued from 1862 to 1878 between the price levels of England and Germany (Table 12). But suspension of specie payments at the end of 1861, followed by the issue of the greenbacks early in 1862, gave the United States a monetary standard all its own, and permitted American prices at wholesale first to double and then to fall below their original level at a time when European prices varied but little in comparison. So soon, however, as the success of the effort to resume specie payments became practically assured, the fluctuations of American prices were brought again into fairly close correspondence with the fluctuations of European prices.

The deviation of the greenback dollar from its nominal value in terms of the specie standard existing before 1862 in the United States, and existing all the time in England and Germany, then, was the fundamental factor in producing the revolutions in prices. But there were, of course, other factors which had an effect upon the price-level of commodities at wholesale and retail, and upon the price-level of labor. During the period of the greenback standard the United States suffered a civil war which seriously deranged the processes of production and consumption; its tax system was made over to provide revenue for the war and then revised on the return of peace; its population increased one-half; its agricultural conditions were changed by bringing immense stretches of prairie under the plow; its factories multiplied in number and increased in effectiveness; its railway mileage more than doubled; its business men shared in the world-wide speculative movement of the early '70's, the crisis of '73, and the profound depression of the later '70's. These changes in the economic situation would have caused fluctuations of the price-level had the specie standard been maintained without interruption; they had an effect upon the fluctuations of the price level which did occur under the greenback standard.

To give an adequate account of prices between the suspension and resumption of specie payments it would be necessary to investigate these changes and to analyze their economic consequences. A large body of evidence different in character from what has been presented in the previous chapters would have to be collected and sifted. Intimate acquaintance with many matters ignored here would have to be gained. The present volume does not afford a basis sufficiently broad for an adequate account, because it is limited to the presentation of material regarding different classes of prices. All that is feasible with the statistical apparatus which has been presented is to discuss (1) the relations between the fluctuations of the specie value of the greenback dollar, as represented by the price of gold, and the fluctuations of prices at wholesale; and (2) the relations between the fluctuations in prices at wholesale and the fluctuations in prices at retail, cost of living, and prices of labor.

II.—Relations between the Price of Gold and the Prices of Commodities at Wholesale.

It was shown in Chapter II that the fluctuations of average relative prices at wholesale bore a marked resemblance to the fluctuations in the price of gold. This resemblance, however, was only general. Average relative prices advanced less rapidly than gold during the war, reached their maximum six months later, declined much more slowly from 1865 to 1875, and declined faster from 1875 to 1878. Further, even the general resemblance held only for average relative prices. The relative prices of most commodities taken singly differed widely from the movements of gold, and the relative prices of our full list of 92 commodities continually covered a much wider field of variations than did gold. (See Chapter II, Section iv).

The purpose of the present section is to explain these facts so far as is possible on the basis of the material which has been presented. No attempt is made to account for the variations in the specie value of the greenback dollar, for such an attempt would require full investigation of another field. But, accepting these variations as facts, the question is asked: Why did the prices of commodities and gold, both expressed in greenback dollars, rise and fall together, and why was not the harmony between their movements more perfect?

A causal connection between the premium on gold and wholesale prices is clear with reference to two classes of commodities:—namely, commodities exported from the United States to, or imported into the United States from countries with a specie standard. For American exporters and importers had to conduct their business transactions on the basis of specie prices abroad and the far higher currency prices at home, and the relation between these two elements in their calculations depended on the premium charged for gold in New York. The whole matter can be best elucidated by following the series of transactions necessary in buying and selling such goods.

American importers bought their goods in Europe at prices quoted in specie, and usually paid by remitting bills of exchange on London, Amsterdam, Paris, or Hamburg. The cost of their goods in terms of American currency was therefore represented by the prices which they paid for these foreign bills in New York. Since these bills were orders for certain sums of foreign monetary units of gold or silver, their currency prices in New York followed the fluctuations in the price of gold.

Tables published in the *Annual Reports of the Chamber of Commerce of the State of New York* show how close was the sympathy between the quotations for gold and for foreign bills of exchange. For example, on the 4th of December, 1863, sixty-day bankers' bills on London were quoted at 167 to 168, though the mint par between England and the United States was 109.45⅝ cents=54 *d.*[1] The wide discrepancy between the quotations and par was due, of course, to the fact that gold was selling that day at 152½ to 152¾. Dividing the quotation for sterling bills by the price of gold gives a gold quotation which is close to par, *viz.:* 109.5 to 110.0 Similarly, bills on Paris were quoted at 3.40 to 3.35, though the mint par was francs 5.18=$1. Multiplying the quotation by the price of gold gives as the gold quotation for French bills 5.18 to 5.12. Once more, bills on Amsterdam were quoted at 61½ to 62½, though the mint par was 40.2¢ = 1 guilder. Dividing the quotation by the price of gold gives 40.33 to 40.92. Finally, bills on Hamburg were quoted at 55 to 56, though the silver marc banco was worth about 36.4¢ in American gold. Dividing by the premium gives as the gold price of these bills 36 to 37.

To show the degree of accuracy with which the quotations for bills of exchange followed the changes of the premium from week to week it is sufficient to examine the quotations for sterling exchange. Table 69 shows (1) the weekly quotations of 60-day bankers' bills on London as published in the *Annual Reports of the Chamber of Commerce of the State of New York;* (2) the prices of gold on the corresponding days from Mersereau's *American Gold, 1862-1878;* and (3) the quotients obtained by dividing the first quotations by the second.[2] These quotients are the nearest approach we can make to gold prices for sterling exchange from 1862 to 1864. They hover around mint par—109.45⅝—,

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[1] This style of quoting sterling exchange arose in colonial days when the Spanish dollar was worth approximately 54 *d.* in English silver coin. The present style of quoting the British pound in dollars and cents (£1=$4.86.65) was not introduced until January 1, 1874. See "An Act . . . to fix the Par of Exchange," approved March 3, 1873; (17 *Statutes at Large*, 603), and *Report of the Director of the Mint*, 1873.

TABLE 69.

Currency and gold prices of sterling exchange in New York: by weeks, 1862-1864.

NOTE.—The quotations are for bankers' bills at 60 days' sight, obtained from the *Annual Reports of the Chamber of Commerce of the State of New York.* See p. 252.

Dates 1862	Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
January 4	112 — 113	101¾ — 102	110.1 — 110.8
January 11	113½ — 114½	103½ — 104	109.7 — 110.1
January 18	114 — 114½	101¾ — 102	112.0 — 112.3
January 25	111 — 112	103 — 103¼	107.7 — 108.5
February 1	113 — 113½	103½ — 103½	109.2 — 109.7
February 8	114 — 114½	103½ — 103⅝	110.1 — 110.5
February 15	114¾ — 115¼	104⅝ — 104¾	109.7 — 110.0
February 22	114½ — 115	103 — 103	111.1 — 111.6
March 1	113 — 114¼	102⅜ — 102½	110.4 — 111.5
March 8	113 — 113¼	101¾ — 101⅞	111.1 — 111.2
March 15	111½ — 112½	101½ — 101½	109.9 — 110.8
March 22	111⅜ — 112	101¼ — 101⅜	110.0 — 110.5
March 29	112 — 112½	101½ — 101½	110.3 — 110.8
April 5	112 — 113	101⅞ — 102	109.9 — 110.8
April 12	112⅜ — 112¾	101¾ — 102	110.4 — 110.5
April 19	112¼ — 112½	101½ — 101⅝	110.6 — 110.7
April 26	112 — 112⅝	101½ — 101⅝	110.3 — 110.8
May 3	112½ — 113½	102½ — 102¾	109.8 — 110.5
May 10	113½ — 114	103¼ — 103⅜	109.9 — 110.3
May 17	113½ — 114	103 — 103⅛	110.2 — 110.6
May 24	113¾ — 114⅜	103⅜ — 103⅝	110.1 — 110.4
May 31	114¼ — 114⅞	103½ — 103⅝	110.4 — 110.9

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[2] The days of the months in the table are given as in the *Reports of the Chamber of Commerce.* In 1864, from March 6 to July 31 inclusive, these dates fall on Sunday. I have found no notice in the financial journals that the exchange houses made quotations for Sunday during these months. Perhaps the Sunday dates result from a clerical error on the part of the man who compiled the table in failing to count in the 29th of February; for 1864 was a leap-year. Having no Sunday quotations for gold, I have continued to use the Saturday quotations for purposes of comparison from March to July. Beginning with August 1, 1864, the quotations of both exchange and gold are for Monday.

TABLE 69—(CONTINUED).

Currency and gold prices of sterling exchange in New York: by weeks, 1862-1864.

Dates 1862		Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
June	7	114⅜ — 114⅞	104 — 104⅛	110.0 — 110.3
June	14	114⅞ — 116⅜	105⅝ — 105¾	108.7 — 110.0
June	21	116¼ — 118	106⅜ — 106½	109.3 — 110.8
June	28	118 — 121	109 — 109⅛	108.3 — 110.9
July	5	120½ — 122	109½ — 109⅞	110.0 — 111.0
July	12	121¼ — 130	113⅞ — 114½	106.5 — 113.5
July	19	128 — 129	118¼ — 118½	108.2 — 108.9
July	26	129 — 132½	117 — 117½	110.2 — 112.8
August	2	127½ — 129	115 — 115¼	110.9 — 111.9
August	9	124¾ — 125½	112½ — 112⅞	110.9 — 111.2
August	16	125 — 128	114½ — 114⅝	109.2 — 111.7
August	23	127 — 128	115⅛ — 115⅞	110.3 — 110.5
August	30	127½ — 127¾	115⅝ — 115¾	110.3 — 110.4
September	6	129 — 130	118¾ — 119¼	108.6 — 109.0
September	13	131 — 131½	118 — 118¼	111.0 — 111.2
September	20	129 — 130	116¾ — 117⅛	110.5 — 111.0
September	27	129½ — 132	121⅜ — 121⅜	106.7 — 108.7
October	4	132½ — 135¾	122½ — 123	108.1 — 110.4
October	11	136 — 141	128 — 128¼	106.2 — 109.9
October	18	141½ — 147	130 — 130¼	108.8 — 112.8
October	25	141 — 151	130 — 131¼	108.5 — 115.0
November	1	144¾ — 145	129⅝ — 131¼	111.7 — 110.5
November	8	145 — 146	132 — 132½	109.8 — 110.2
November	15	146½ — 146¾	131¾ — 132	111.2 — 111.2
November	22	144½ — 144¾	130½ — 130¾	110.7 — 110.7
November	29	142½ — 143	129 — 129¼	110.5 — 110.6
December	6	145½ — 146	130½ — 132	111.5 — 110.6
December	13	144¾ — 145¼	131⅛ — 132	110.4 — 110.0
December	20	145½ — 146¼	132 — 132⅞	110.2 — 110.0
December	27	145¼ — 145¾	131⅞ — 132⅝	110.1 — 109.9
1863				
January	3	146½ — 148	133¾ — 134½	109.5 — 110.0
January	10	150 — 152½	136⅞ — 138¾	109.6 — 109.9
January	17	161 — 162½	146⅞ — 147⅝	109.6 — 110.1
January	24	162½ — 163	148⅜ — 150	109.5 — 108.7
January	31	171 — 177	159 — 160¾	107.5 — 110.1
February	7	169 — 173	156⅝ — 157⅞	107.9 — 109.6
February	14	170 — 171	155¼ — 156	109.5 — 109.6
February	21	178 — 180½	162 — 163½	109.9 — 110.4
February	28	186 — 188½	171½ — 172½	108.5 — 109.3
March	7	167 — 169	154¾ — 155½	107.9 — 108.7
March	14	168½ — 171	157¾ — 158¾	106.8 — 107.7
March	21	170 — 171½	153⅞ — 154⅞	110.5 — 110.7
March	28	160 — 162	142¼ — 143⅛	112.5 — 113.2

TABLE 69—(CONTINUED).

Currency and gold prices of sterling exchange in New York: by weeks, 1862-1864.

Dates 1863	Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
April 4	168 — 172	154¾ — 155¼	108.6 — 110.8
April 11	160 — 164	150½ — 152½	106.3 — 107.5
April 18	166 — 168	151¼ — 152⅝	109.7 — 110.1
April 25	164 — 166	152 — 154	107.9 — 107.8
May 2	163 — 165	149⅞ — 150½	108.8 — 109.6
May 9	167 — 169	149 — 150¼	112.1 — 112.5
May 16	162½ — 164	149¾ — 150¼	108.5 — 109.1
May 23	163 — 163¾	148½ — 149½	109.8 — 109.5
May 30	157 — 157½	144⅞ — 145¼	108.4 — 108.4
June 6	159 — 160¼	145⅛ — 145⅜	109.5 — 110.2
June 13	155¼ — 156	142¼ — 142½	109.1 — 109.5
June 20	155 — 157	143½ — 143½	108.0 — 109.4
June 27	159 — 160½	145 — 145¼	109.6 — 110.5
July 3	157¾ — 158½	144 — 144¼	109.6 — 109.9
July 10	143½ — 144½	132¼ — 132½	108.5 — 109.0
July 17	138¼ — 139	125¾ — 126	109.9 — 110.3
July 24	138½ — 139½	126⅛ — 126¼	109.8 — 110.5
July 31	141½ — 142¼	128½ — 129	110.1 — 110.3
August 7	139¾ — 140	127 — 127¾	110.0 — 109.6
August 14	137¾ — 138½	125¼ — 126½	110.0 — 109.5
August 21	137½ — 138	125¼ — 125⅜	109.8 — 110.1
August 28	135½ — 136¾	124 — 124⅜	109.3 — 109.9
September 4	146 — 147	133½ — 134½	109.4 — 109.3
September 11	142 — 142½	129⅜ — 129¾	109.8 — 109.8
September 18	147 — 147½	133 — 133¼	110.5 — 110.7
September 25	152¼ — 152¾	138 — 138⅛	110.3 — 110.6
October 2	156¾ — 157½	142½ — 143¼	110.0 — 110.0
October 9	161½ — 162¼	146¾ — 147	110.0 — 110.4
October 16	171½ — 172¼	154⅛ — 154¼	111.3 — 111.7
October 23	157½ — 158½	145¾ — 146½	108.1 — 108.2
October 30	158½ — 159¾	146 — 146⅜	108.6 — 109.1
November 6	162½ — 163¼	148 — 148¾	109.8 — 109.7
November 13	161 — 161¾	147 — 147⅜	109.5 — 109.7
November 20	168 — 168¾	152½ — 153¼	110.2 — 110.1
November 27	157 — 158	143 — 145½	109.8 — 108.6
December 4	167 — 168	152½ — 152¾	109.5 — 110.0
December 11	165¼ — 165¾	151 — 151½	109.4 — 109.4
December 18	164¾ — 165½	151⅝ — 152½	108.6 — 108.5
December 25	166½ — 167		
1864			
January 2	166½ — 167	151⅝ — 152	109.8 — 109.9
January 9	166½ — 166½		
January 16	170 — 171	155¾ — 156½	109.2 — 109.3
January 23	174 — 174¾	156 — 156⅝	111.5 — 111.6
January 30	172½ — 173	156¾ — 157⅛	110.0 — 110.1

TABLE 69—(CONCLUDED).

Currency and gold prices of sterling exchange in New York: by weeks, 1862-1864.

Dates 1864	Prices of Exchange in Currency	Prices of Gold in Currency	Prices of Exchange in Gold
February 6	172 — 172½	157¾ — 158¼	109.0 — 109.0
February 13	174¼ — 175	159½ — 159⅝	109.3 — 109.6
February 20	173 — 175	159⅛ — 159¼	108.7 — 109.9
February 27	172½ — 173	157⅛ — 158½	109.8 — 109.2
March 6	175 — 175⅛	161⅝ — 161⅞	108.3 — 108.2
March 13	177¾ — 178	160½ — 162	110.6 — 109.9
March 20	175¼ — 177	162 — 162	108.2 — 109.3
March 27	178 — 181¾	169½ — 169¾	105.0 — 107.1
April 3	178 — 180½	166½ — 166¾	106.9 — 108.2
April 10	184½ — 185	169½ — 169½	108.9 — 109.1
April 17	186 — 190¾	171 — 171¼	108.8 — 111.4
April 24	190 — 191	174⅞ — 177½	108.7 — 107.6
May 1	195 — 199	179½ — 180	108.6 — 110.6
May 8	195 — 196	172¾ — 172⅞	112.9 — 113.4
May 15	184½ — 185½	172 — 172¼	107.3 — 107.7
May 22	196 — 198	181½ — 181½	108.0 — 109.1
May 29	201½ — 203½	186 — 186	108.3 — 109.4
June 5	208⅞ — 211¾	190¼ — 191⅝	109.8 — 110.5
June 12	217 — 218	198¼ — 198½	109.5 — 109.8
June 19	215 — 218	195¼ — 195½	110.1 — 111.5
June 26	220 — 236½	214 — 220	102.8 — 107.5
July 3	260 — 277½	230 — 250	113.0 — 111.0
July 10	285 — 298	260 — 275	109.6 — 108.4
July 17	286 — 305½	248½ — 261¼	115.1 — 116.9
July 24	274 — 282½	253¾ — 256	108.0 — 110.4
July 31	272½ — 277½	253 — 258	107.7 — 107.6
August 1	276 — 280	251 — 259	110.0 — 108.1
August 8	278 — 280	256¾ — 259½	108.3 — 107.9
August 15	274 — 276	255¾ — 256⅞	107.1 — 107.5
August 22	276 — 279	256⅞ — 257¼	107.5 — 108.5
August 29	274 — 278	235⅛ — 245	116.5 — 113.5
September 5	253 — 255	235 — 243½	107.7 — 104.7
September 12	256 — 261	213½ — 225	119.9 — 116.0
September 19	246 — 247½	223⅞ — 226¾	109.9 — 109.2
September 26	245 — 247	195 — 198⅛	125.6 — 124.7
October 3	208½ — 209	189 — 191¾	110.3 — 109.0
October 10	208½ — 209	196 — 199	106.4 — 105.0
October 17	*108¾ — 108¾	218¼ — 222½	
October 24	—— — ——	212¼ — 216⅞	
October 31	*109½ — 109½	221½ — 227¾	
November 7	273 — 273	238½ — 245⅞	114.5 — 111.0
November 14	265 — 265	243 — 246⅝	109.1 — 107.4
November 21	247 — 247	217½ — 221½	113.6 — 111.5
November 28	254½ — 254½	226¼ — 233¾	112.5 — 108.9
December 5	—— — ——	227 — 229¾	
December 12	*109⅛ — 109½	232½ — 237½	
December 19	*109⅛ — 109½	212¾ — 217¼	
December 26	*109⅛ — 109½	—— — ——	

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* Rate in gold.

but sometimes deviate from it further than gold quotations would have done; for the dealers in exchange found it difficult to follow the rapid changes of the gold market. This difficulty became so serious in the exciting days of 1864 that the exchange houses dropped the practice of quoting in currency and began to quote in gold. The latter practice was regularly established for all classes of foreign bills by January 1st, 1865.

So long, then, as the importer could buy foreign bills at currency prices in New York, he found that the cost of his foreign goods in terms of dollars and cents was directly subject to the influence of the premium on gold. And when exchange dealers began to quote in gold, the situation was changed in form only. For then the importers had to pay the current premium for gold with which to buy the bills of exchange necessary to pay for their goods.

Since American importers thus found that the cost price of their goods in domestic currency rose with the premium on gold, they were compelled to increase the prices at which they sold these goods in a substantially equal degree. On the other hand, when the premium fell, the cost of foreign goods to importers declined, and the latter were able to reduce their selling prices in substantially equal degree without decreasing their profits. Competition, or a desire to dispose of their stocks quickly, led them to follow this course. Thus business conditions kept the American prices of imported goods in close touch with the price of gold.

The situation of the exporter was similar to that of the importer. He bought goods at paper-money prices in the United States and sold them at specie prices in Europe. To obtain payment he usually drew bills of exchange on his foreign customer and sold these bills to exchange dealers in New York. So long as foreign bills were quoted in currency he received prices which the above data show fluctuated with the premium. After bills began to be quoted in gold he received gold which he thereupon sold at a premium. In either case the exporter's receipts for goods sold varied with the price of gold. This fact controlled in large measure the price the exporter could afford to pay for his goods in the domestic market. When the price of gold declined the exporter had to charge a higher price abroad or pay a lower price at home. When the price of gold rose he could afford to take a lower price abroad or pay a higher price at home, and competition or the desire to increase his business led him to make one of these concessions. Thus the prices of goods exported in large quantities, like the prices of imports, were directly affected by the fluctuations in the price of gold.

The influence of the premium on the wholesale prices of goods not imported or exported was less direct. But the fact that the prices of the great mass of staple exports and imports rose and fell with gold, was itself a powerful factor in producing similar fluctuations in the prices of goods produced and consumed within the United States. In a modern community the prices of different goods constitute a complexly organized system, in which the various parts are continually being adjusted to each other by intricate business processes. Any marked change in the prices of important goods disturbs the equilibrium of this system, and business processes at once set going a series of readjustments in the prices of other goods to restore it. Thus a cause which directly affects the price of one good only, may indirectly affect the prices of many other goods. Such was the case with the premium on gold during the period of the greenback standard. It directly affected only the prices of goods exported to or imported from countries having specie standards; but indirectly it affected the prices of all goods. Some of the business processes by which its influence was spread may be suggested.

Prices of commodities made from materials exported or imported were readjusted to compensate for the change in the expense of producing them. Prices of domestic commodities produced in competition with foreign goods had an opportunity to rise as the cost of the latter increased, and were forced down as the cost of the latter declined. Prices of goods capable of being substituted for wares imported or exported were kept more or less in harmony with the prices of the latter by shifting demand. And in general, men of all classes found that their business and living expenses were increased when they bought imports or exports, goods made from them, goods made in competition with them, or substitutes for them. These increasing expenses they sought to recoup by charging higher prices for whatever they had to sell.

It would be most interesting to investigate the varying degrees of promptness and completeness with which the prices of these different classes of commodities were readjusted to suit changes in the premium on gold. But our statistical material is not sufficiently complete to make such an investigation satisfactory. There would be required for each class of commodities enough series of quotations to make sure that the average relative prices for each class were not determined primarily by conditions of supply and demand peculiar to the commodities included. But though our material does not suffice for such refined investigation, it does suffice to show that the influence of the premium on gold spread over the whole field of wholesale prices, though with varying degrees of celerity and completeness.

If the reader seeks to test the validity of the preceding statements by turning to the table of the appendix where the series of relative prices at wholesale are given at length, he may form an adverse opinion. For he will find hardly one of the 153 series in which the changes from quarter to quarter correspond accurately with the changes in the premium. But this fact does not in the least discredit what has been said. For the influence of business processes was not to produce even rough identity of fluctuations in the prices of goods and gold; but rather to make currency prices differ from what they would have been on a specie basis by a margin roughly determined by the premium. Therefore only those commodities—if there were any such—which would have remained substantially stable in price from 1862 to 1878 could be expected to show fluctuations in currency prices agreeing closely with the fluctuations in the price of gold. In the case of imported goods, business dealings tended to adjust wholesale prices in American currency to the sum of European specie prices, plus specie cost of transportation, plus specie import duties, multiplied by the price of gold. Goods which fell in price in Europe or goods on which the import duty was reduced, therefore tended to advance less in price than did gold; and goods which rose in price in Europe, or on which the import duty was increased, tended to advance more in price than did gold. A similar statement applies to the prices of exports. Regarding goods other than imports and exports, one can say only that each commodity was subject to its own particular conditions of supply and demand, that these conditions would have produced a great variety of price-fluctuations on the specie basis, and that the influence of the premium on gold as a price-making factor was in the direction of producing currency prices equal to these hypothetical specie prices multiplied by the price of gold. It is therefore an error to conclude that the connection between wholesale prices and the premium was of slight importance because commodities taken singly diverge widely from the price of gold, or because the general price tables show regularly a much wider field of variation than that covered by the premium.

But if business relationships did not force the prices of commodities singly to comply with the fluctuations of the premium, why did the general price-level rise and fall in substantial harmony with it? The answer is that, however widely single commodities would have varied in price on a specie basis, the average of relative prices would have varied within comparatively narrow limits. Strong probability is lent to this assumption by Sauerbeck's index number for England and Soetbeer's for Germany. Both sets of data, when reduced to the basis: prices in 1860=100, show a slight fall from 1860 to 1863, a slight rise from 1863 to 1866, a slighter fall from 1866 to 1870 in one case and irregular minor fluctuation in the other, a more decided advance from 1870 to 1873, and then a fall to 1878. The maximum variations of the medians for the years of the paper standard are 107 and 88 in England, 113 and 98 in Germany. Somewhat similar would probably have been the course of the wholesale price-level in the United States had specie payments been maintained,—though the civil war, the changes in import duties, and the speculative character of business transactions would perhaps have made the variations somewhat greater. But if we suppose that on the specie basis the American price-level would have conformed in its larger movements to the English and German price-levels, it follows that we might expect our general averages of relative prices in currency to rise slower than the price of gold in 1862 and 1863, faster in 1864 and 1865; to move in general harmony with the premium in 1866 and 1870; then to rise faster or fall slower than the premium until 1873; and finally to fall faster than the premium from 1873 to 1878.

Such in general is the result we do find. But there are several minor deviations from this result, due to the fact that the average of commodity-prices moved more sluggishly than the price of gold. The readjustment of prices effected by business processes required some little time, whereas the premium on gold changed with great rapidity. The result was that the curve traced by the median of relative prices at wholesale appears to be always lagging somewhat behind the curve traced by gold quotations.

These differences between the movements of the premium and the price-level, like the general correspondence between them, were due to the business processes by which prices were determined. (1) The wholesale markets for several of the commodities for which we have quotations were almost as highly organized as the market for gold. Such, for example, was the case with the markets for cotton and wheat. But the markets for the great mass of our commodities were not of this character. Candles, cement, tubs, corn-starch, putty, shovels, pine-boards, dried apples, etc., etc., were not dealt in on exchanges by men alert to every passing change in the business situation, intent to take advantage of every passing difference in quotations, and concerned with no other business problem than buying and selling at a profit. The people who dealt in such goods habitually allowed for a larger margin in their transactions, and found their profits affected by many other matters than the differences between the buying and selling prices of a single commodity. Prices in these loosely organized markets were not readjusted to a new business situation with the celerity characteristic of such a market as that for foreign exchange or gold.

(2) The practice among business men of entering into contracts to receive or deliver goods at stipulated prices for certain periods in the future, interfered with the rapid readjustment of commodity prices whenever the premium on gold changed. To maintain their accustomed rate of profit business men whose contracts secured them supplies at the prices of a previous time were not compelled to advance their selling prices the moment gold rose. So far as competition or the desire to increase custom entered into the business motives for fixing prices in such cases, they tended to prevent prices from rising until new contracts at higher

rates had to be made. And when gold was falling similar conditions prevailed. Men paying high prices on old contracts could not reduce their selling prices without cutting into profits. So far, then, as business was transacted in goods bought or contracted for some time previously, the readjustment of selling prices to the premium was delayed.

(3) It is assumed in the preceding statements that the reason why business men raised the prices of their goods when gold advanced was that otherwise their profits would have been reduced; and the reason why they reduced prices when gold fell was that competition or unwillingness of customers to buy theatened loss of business otherwise. The exactness and promptness with which prices were adjusted to the fluctuations of gold depended, therefore, in large measure on the immediacy of the relation between profits and prices. Any factor which sustained profits without an advance in the selling prices of goods dealt in or manufactured, or reduced profits independently of a reduction of selling prices, tended to prevent business men from raising or lowering selling prices quickly when the premium changed. Such a factor existed in the operating expenses of business establishments. Rent of business premises, salaries of officials, superintendents, and clerks; wages of laborers; fixed charges on permanent investments—the amount of all these expenses changed much more slowly than the gold premium. Therefore, even when an advance in the gold premium immediately caused an equivalent increase in the cost of goods bought, an equivalent increase in selling prices was not necessary to maintain profits at the old level; for these slowly increasing business expenses had their bearing on profits quite as much as the rapidly increasing cost of goods. And when gold was declining, competition keen enough to keep the rate of profits stable would not cause a reduction of selling prices so rapid as the fall of gold—even though the purchase-price of goods fell *pari passu* with the premium—; for operating expenses declined so much more slowly. The relative importance of these expenses, in comparison with the purchase-price of goods bought, varied greatly from establishment to establishment and from commodity to commodity—for example, it was greater on the average in factories than in mercantile establishments, and greater in the case

of finished products than of raw materials—; but wherever it entered at all it retarded the adjustment of prices to the premium.

(4) Finally, it has been pointed out that, though the prices of all commodities felt the influence of the premium, the prices of some felt it less directly than the prices of others. Goods made from imported or exported articles, and substitutes for them, were not affected in price so promptly as the exported and imported articles themselves. Still slower in being reached were commodities which had no relation with imports and exports, but whose prices were finally affected because the general demand for them increased, or because producers found that the expenses of conducting business and of living had advanced.

Analysis of the business situation, then, shows that there is no difficulty in accounting for the fact that the price-level in the United States did not follow perfectly the specie price-levels of Europe and the premium on gold. The character and degree of its deviations from this course can best be shown by a transformation of Table 11, which shows the relative prices of identical lists of commodities (47 in number) in the United States and Germany. Table 70 reproduces the medians and arithmetic means of this table and shows the results of dividing these averages for the United States by the price of gold. The figures for gold used for each year are the averages of the average prices for the four months to which the American price quotations refer. Of the two forms of average the medians are the more significant at least for the years 1862 to 1866, because the arithmetic means of these years are unduly influenced by the exceedingly high relative prices of cotton, cotton textiles, and tar.

This table shows that the American price-level comes much nearer corresponding with the German price-level in its movements when the premium on gold has been allowed for; but it also shows considerable deviations between the revised American and the German price-level, arising from the fact that American prices did not advance, and, still more, did not fall so promptly as the premium. The sharp fall of prices in the United States in 1861 was due to the business crisis—mainly confined to this country—caused by the secession of the southern states. In

TABLE 70.

Relative prices of 46 commodities in the United States and Germany before and after correcting for the premium on gold in the United States: 1860-1880.

NOTE.—See p. 263.

		Medians of Rel. Prices			Arithmetic Means of Rel. Prices		
		United States		Germany	United States		Germany
Years	Average of premium on gold in Jan., April, July and Oct.	Before correcting for the premium	After correcting for the premium		Before correcting for the premium	After correcting for the premium	
1860		100	100	100	100	100	100
1861		93	93	99	93	93	99
1862	12.0	102	91	96	122	109	102
1863	43.7	131	91	93	155	108	102
1864	98.4	186	94	94	224	113	102
1865	63.1	184	113	93	204	125	98
1866	41.8	160	113	100	177	125	102
1867	38.3	161	116	101	166	120	102
1868	39.3	171	123	100	172	123	100
1869	33.7	166	124	100	163	122	99
1870	16.0	138	119	100	143	123	100
1871	11.7	135	121	102	139	124	104
1872	11.9	141	126	109	142	127	113
1873	13.8	137	120	114	140	123	121
1874	11.2	132	119	107	137	123	114
1875	14.6	119	104	107	130	113	107
1876	11.9	108	97	106	117	105	106
1877	5.2	107	102	103	112	106	104
1878	.9	94	93	93	96	95	97
1879		91	91	91	95	95	93
1880		106	106	97	109	109	98

1862, with the sudden increase of demand in many lines of trade caused by vast government purchases, doubtless prices would have shown a recovery on the specie standard. It is therefore particularly significant that the gold premium advanced faster than prices, causing a further fall of the price-level in terms of gold. In 1863 the premium and prices appear to have kept even pace; but this appearance results from the fact that three contradictory movements are combined in the figures for the whole year. Early in the year gold advanced faster than prices, later it fell faster, at the end it again advanced far faster. Much the same is true of 1864. The table indicates that commodities gained somewhat on gold; but the facts are that from January to July gold rose with a rush that left prices far behind, and from July to October it fell fast while prices were still rising to recover the ground they had earlier lost. The agreement between the specie price-levels of the United States and Germany during 1863 and 1864 would therefore not appear so striking if the data were for quarters instead of years. But the sudden jump in the specie price-level in 1865 *is* significant; it shows that American prices did not fall with anything like the rapidity of gold. 1866 is another year in which annual averages are misleading; for gold fluctuated through a wide range; first falling, then rising, then falling again, and each time leaving prices behind. The further advance in the specie price-level in 1867 and 1868 indicated by the medians is misleading for another reason. This advance does not appear in the table for all commodities, and seems to be due largely to the fact that the distribution of the relative prices in the center of the tally-sheets for these years is irregular. The arithmetic means show specie prices lower in both these years than in 1866. With the early '70's we come upon another trace of harmony between the American and German price-levels. One shows 1872, the other 1873, as the year of maximum specie prices. From the year of the crisis to the end of the paper money period also there is agreement in that both price-levels fall and reach almost perfect identity in 1878 and 1879. Commercial conditions and the fall of the premium coöperated to bring this result about in the United States; but the former factor appears to have been the more powerful; for while the premium rose between 1874 and 1875 prices fell decidedly.

Figures in some respects more satisfactory are given in Table 71, which is a similar transformation of the general table of deciles for the relative prices of all our 92 series of wholesale quotations by quarters. This table shows clearly how much faster the premium moved up and down during the years of the war than did prices. Whenever gold rose decidedly specie prices fell, and whenever gold fell decidedly specie prices rose. But prices followed the premium steadily—though at some distance—and after the war stood regularly above it, so that the gold price-level was above 100 constantly from April, 1865, to April, 1876. The highest point was 136 in April, 1866. It was produced by a

TABLE 71.

Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.

NOTE.—See p. 265, and compare Table 13.

	January			April			July			October		
	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold
1862												
Lowest	63		61	70		69	52		45	65		51
1st decile	80		78	80		79	75		65	81		63
2d decile	89		87	90		89	88		76	91		71
3d decile	93		91	93		92	91		79	100		78
4th decile	96		94	95		94	98		85	102		79
Median	100		98	100		99	100		87	111		86
		102.5			101.5							
6th decile	105		102	103		101	106		92	118		92
7th decile	117		114	117		115	117	115.5	101	125		97
8th decile	133		130	127		125	127		110	133	128.5	104
9th decile	150		146	149		147	167		145	165		128
Highest	380		371	370		365	640		554	563		438
1863												
Lowest	75		52	72		48	67		51	67		45
1st decile	93		64	100		66	100		77	100		68
2d decile	100		69	112		74	106		81	112		76
3d decile	109		75	125		83	117		90	120		81
4th decile	117		81	129		85	127		97	129		87
								130.6				
Median	125		86	137		90	134		103	135		91
6th decile	132		91	150	151.5	99	144		110	141		95
7th decile	143	145.1	99	163		108	157		120	150	147.7	102
8th decile	159		110	186		123	175		134	170		115
9th decile	193		133	233		154	200		153	200		135
Highest	625		431	675		446	895		685	773		523
1864												
Lowest	69		44	75		43	89		34	94		45
1st decile	114		73	124		72	139		54	147		71
2d decile	127		82	133		77	157		61	166		80
3d decile	140		90	151		87	167		65	174		84
4th decile	145		93	161		93	181		70	194		94
Median	156	155.5	100	169		98	194		75	200		97
					172.7						207.2	
6th decile	166		107	178		103	200		77	217		105
7th decile	178		114	198		115	221		86	237		114
8th decile	200		129	212		123	266	258.1	103	263		127
9th decile	228		147	261		151	308		119	337		163
Highest	750		482	960		556	1410		546	1101		531

TABLE 71—(CONTINUED).

Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.

	January			April			July			October		
	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold
						1865						
Lowest	89		41	94		63	79		56	96		66
1st decile	160		74	133		90	105		74	125		86
2d decile	176		81	150	148.5	101	128		90	138		95
3d decile	191		88	162		109	138	142.1	97	150	145.5	103
4th decile	200		93	179		121	150		106	168		115
Median	216	216.2	100	190		128	158		111	175		120
6th decile	241		111	200		135	171		120	200		137
7th decile	256		118	212		143	189		133	216		148
8th decile	272		126	240		162	207		146	243		167
9th decile	318		147	270		182	252		177	277		190
Highest	1096		507	796		536	759		534	833		573
						1866						
Lowest	100		71	74		74	89		59	93		63
1st decile	122		87	115		90	120		79	123		83
2d decile	135	140.1	96	126	127.3	99	137		90	137		92
3d decile	154		110	149		117	147	151.6	97	150	148.3	101
4th decile	170		121	161		126	167		110	158		107
Median	182		130	173		136	181		119	173		117
6th decile	200		143	190		149	195		129	181		122
7th decile	209		149	200		157	200		132	199		134
8th decile	232		166	215		169	219		144	212		143
9th decile	277		198	250		196	250		165	263		177
Highest	824		588	833		654	815		538	880		593
						1867						
Lowest	89		66	89		66	86		62	87		61
1st decile	112		83	110		81	107		77	109		76
2d decile	125		93	125		92	119		85	123		86
3d decile	142	134.6	105	141	135.6	104	136	139.4	98	142	143.5	99
4th decile	153		114	154		114	147		105	150		105
Median	169		126	166		122	150		108	162		113
6th decile	174		129	175		129	164		118	173		121
7th decile	190		141	197		145	180		129	185		129
8th decile	209		155	207		153	202		145	197		137
9th decile	228		169	228		168	233		167	220		153
Highest	861		640	648		478	870		624	741		516

TABLE 71—(CONTINUED).

Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.

	January			April			July			October		
	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold
1868												
Lowest	85		61	84		61	82		57	88		64
1st decile	100		72	100		72	100		70	105		77
2d decile	119		86	126		91	122		86	121		88
3d decile	132	138.5	95	135	138.7	97	132		93	138	137.1	101
4th decile	150		108	150		108	143	142.7	100	150		109
Median	158		114	162		117	154		108	159		116
6th decile	170		123	177		128	173		121	173		126
7th decile	187		135	188		136	180		126	179		131
8th decile	200		144	200		144	195		137	196		143
9th decile	225		162	250		180	206		144	221		161
Highest	787		568	787		567	435		305	500		365
1869												
Lowest	82		60	81		61	73		54	68		52
1st decile	103		76	108		81	100		73	100		77
2d decile	117		86	125		94	117		86	118		91
3d decile	132	135.6	97	135	132.9	102	134	136.1	98	136	130.2	104
4th decile	150		111	146		110	141		104	142		109
Median	159		117	159		120	158		116	153		118
6th decile	172		127	172		129	167		123	162		124
7th decile	180		133	180		135	178		131	177		136
8th decile	190		140	196		147	187		137	181		139
9th decile	227		167	220		166	200		147	200		154
Highest	361		266	377		284	361		265	444		341
1870												
Lowest	70		58	67		59	67		57	65		58
1st decile	100		82	100		88	98		84	100		89
2d decile	112		92	106	113.1	94	108		92	104		92
3d decile	128	121.3	106	123		109	123	116.8	105	119	112.8	105
4th decile	140		115	132		117	127		109	129		114
Median	147		121	140		124	132		113	135		120
6th decile	152		125	147		130	144		123	147		130
7th decile	166		137	159		141	161		138	154		137
8th decile	178		147	174		154	179		153	174		154
9th decile	200		165	200		177	200		171	192		170
Highest	352		290	367		324	380		325	324		287

TABLE 71—(Continued).

Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.

	January			April			July			October		
	Prices in Greenbacks	Gold	Prices in Gold	Prices in Greenbacks	Gold	Prices in Gold	Prices in Greenbacks	Gold	Prices in Gold	Prices in Greenbacks	Gold	Prices in Gold
						1871						
Lowest	60		54	61		55	64		57	64		57
1st decile	94		85	100		90	90		80	97		86
2d decile	105	110.7	95	110	110.6	99	102		91	111	113.2	98
3d decile	119		107	121		109	118	112.4	105	118		104
4th decile	127		115	127		115	125		111	125		110
Median	133		120	131		118	130		116	129		114
6th decile	141		127	140		127	142		126	142		125
7th decile	154		139	150		136	149		133	150		133
8th decile	171		154	164		148	158		141	162		143
9th decile	189		171	180		163	180		160	182		161
Highest	343		310	337		305	333		296	361		319
						1872						
Lowest	55		50	55		50	55		48	55		49
1st decile	100		92	93		84	90		79	97		86
2d decile	108	109.1	99	105	111.1	95	104		91	116	113.2	102
3d decile	121		111	120		108	117	114.3	102	122		108
4th decile	129		118	130		117	125		109	129		114
Median	133		122	140		126	130		114	133		117
6th decile	142		130	150		135	144		126	144		127
7th decile	150		137	159		143	152		133	153		135
8th decile	164		150	171		154	169		148	173		153
9th decile	185		170	200		180	198		178	195		172
Highest	343		314	324		292	330		289	326		288
						1873						
Lowest	55		49	58		49	58		50	58		53
1st decile	92		82	94		80	92		80	92		84
2d decile	110	112.7	98	105		89	103		89	104	108.9	96
3d decile	124		110	125	117.8	106	114	115.7	99	116		107
4th decile	129		114	130		110	123		106	125		115
Median	135		120	137		116	130		112	131		120
6th decile	145		129	147		125	142		123	146		134
7th decile	153		136	156		132	152		131	151		139
8th decile	164		146	168		143	168		145	167		153
9th decile	194		172	200		170	196		169	196		180
Highest	361		320	333		283	333		288	367		337

TABLE 71—(CONTINUED).

Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.

	January			April			July			October		
	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold
1874												
Lowest	58		52	58		51	58		53	58		53
1st decile	97		87	95		84	95		86	92		84
2d decile	106		95	106		93	106		96	105		95
3d decile	115	111.4	103	116	113.4	102	111	110.0	101	112	110.0	102
4th decile	124		111	122		108	118		107	124		113
Median	130		117	129		114	130		118	130		118
6th decile	141		127	140		123	139		126	136		124
7th decile	150		135	150		132	146		133	142		129
8th decile	160		144	170		150	166		151	156		142
9th decile	200		180	200		176	199		181	185		168
Highest	352		316	346		305	352		320	394		358
1875												
Lowest	67		60	64		56	55		48	45		39
1st decile	93		83	92		80	92		80	89		76
2d decile	103		92	102		89	99		86	99		85
3d decile	110	112.5	98	109		95	105		91	106		91
4th decile	121		108	119	114.8	104	112		98	110		95
Median	127		113	125		109	121	114.8	105	120	116.4	103
6th decile	133		118	136		118	129		112	129		111
7th decile	147		131	145		126	140		122	137		118
8th decile	160		142	152		132	149		130	150		129
9th decile	193		172	172		150	174		152	162		139
Highest	359		319	407		355	432		376	426		366
1876												
Lowest	59		52	61		54	64		57	55		50
1st decile	89		79	85		75	79		71	80		73
2d decile	95		84	95		84	91		81	89		81
3d decile	100		89	103		91	98		88	95		87
4th decile	109		97	106		94	104		93	101		92
Median	117	112.8	104	115	113.0	102	110	111.9	98	108	109.7	98
6th decile	125		111	125		111	117		105	116		106
7th decile	131		116	131		116	123		110	127		116
8th decile	144		128	144		127	137		122	140		128
9th decile	160		142	159		141	156		139	153		139
Highest	398		353	394		349	391		349	393		358

TABLE 71—(CONCLUDED).

Relative wholesale prices of 92 commodities in greenbacks and in gold: by quarters, 1862-1878.

	January			April			July			October		
	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold	Prices in Green-backs	Gold	Prices in Gold
							1877					
Lowest	61		57	41		39	41		39	41		40
1st decile	78		73	76		72	75		71	76		74
2d decile	89		84	86		81	83		79	83		81
3d decile	100		94	92		87	89		84	88		86
4th decile	107	106.3	101	100		94	99		94	96		93
					106.2							
Median	114		107	108		102	100		95	102	102.8	99
								105.4				
6th decile	124		117	119		112	110		104	112		109
7th decile	129		121	126		119	123		117	120		117
8th decile	138		130	136		128	133		126	128		125
9th decile	160		151	150		141	158		150	137		133
Highest	393		370	409		385	391		371	396		385
							1878					
Lowest	45		44	36		36	36		36	45		45
1st decile	74		72	67		67	67		67	63		63
2d decile	81		79	76		76	72		72	69		69
3d decile	85		83	80		80	77		77	78		78
4th decile	90		88	85		84	85		85	85		85
Median	99		97	96		95	90		90	94		94
		102.1										
6th decile	108		106	100	100.6	99	97		97	100	100.5	100
7th decile	117		115	113		112	102	100.5	101	106		105
8th decile	125		122	125		124	109		108	120		119
9th decile	140		137	142		141	132		131	138		137
Highest	382		374	378		376	378		376	380		378

sudden drop in the premium accompanied as usual by a much smaller fall of currency prices. In 1867 and 1868 the price-level seemed to be slowly readjusting itself to the premium of about 40 per cent. on gold which ruled during these years with a fair degree of steadiness. But in 1869 the era of rapid railway building—the most conspicuous feature of a great business ''boom''—began and caused prices to rise. At the end of the year a large and permanent fall in the premium occurred—from about 37 per cent. in September, 1869, to an average of about 13 per cent. for the next seven years. Prices responded rather slowly while the business "boom" gathered headway, so that the gold price-level rose in 1870, declined but a trifle in 1871, and rose again in 1872. After the crisis of 1873 the premium remained fairly steady until 1877; but the long delayed readjustment of prices to a lower level proceeded apace under the impetus of business depression. The median of relative prices fell below the monthly premium on gold for the first time in July, 1876. The usual winter rise of prices, combined with a further drop in the premium, carried currency prices higher than gold in the first two quarters of the next year; but from July, 1877, to the resumption of specie payments the median was lower than the premium, so that in 1878 the specie price-level in the United States, like the specie price-levels in England and Germany, was lower than it had been in 1860.

It is not amiss to conclude by repeating that this discussion does not attempt to explain fully the fluctuations of prices at wholesale during the years of the greenback standard; but deals only with the connection between the fluctuations of prices at wholesale and the fluctuations of the premium on gold. It shows (1) that business processes maintained a general harmony between these two sets of fluctuations; (2) that the effect of these processes was not toward producing exact correspondence between the fluctuations of prices and the premium, but toward making the fluctuations of prices differ from what they would otherwise have been by margins set by the premium; and (3) that this result was not accurately produced, because business factors impeded somewhat the quick adjustment of prices to the premium, causing them to rise and fall more slowly. The material provided by our tables does not suffice for more elaborate investigations. The problems remain to be discussed: What factors controlled the premium on gold? Were the fluctuations both of the premium and of prices a consequence of some common cause, such as the changes in the quantity of money? What influence was exercised on the price-levels both of the United States and of European countries by the great economic changes which occurred between 1862 and 1878?

III.—The Inter-relations between Prices at Wholesale, Prices at Retail, and Prices of Labor.

The direct influence of the gold premium upon prices was not felt outside of wholesale markets. There was no business reason why shop-keepers should take direct account of the premium on gold in marking their wares, or why employees and workmen should make the premium a factor in their bargaining about rates of wages. But the price-revolutions in wholesale markets, caused by the greenback standard, necessarily spread to retail markets for commodities and to markets for labor. The processes by which this indirect influence of the premium was brought to bear upon these markets, and the degrees of agreement and difference in the fluctuations of prices, are the subjects of this section.

The business process by which the fluctuations in retail prices of commodities were made to correspond roughly with the fluctuations of wholesale prices is too obvious to require explanation. The only difficulty is in explaining why this correspondence was not closer. Both the general tables for wholesale and retail prices (Tables 4 and 21), and the special table for the wholesale and retail prices of identical lists of commodities (Table 23), indicate that the fluctuations of prices at retail deviated from the fluctuations of prices at wholesale in much the same way that the latter deviated from the fluctuations of the premium. That is, retail prices were somewhat slower in rising from 1863 to 1865, and decidedly slower in falling after 1865.

The explanation of these deviations is similar to the explanation above given of the deviations between wholesale prices and gold. First, retail markets are less highly organized than wholesale markets. The sellers and still more the buyers are on the whole less capable and less careful bargainers, less concerned about fractional differences in prices, less intent on finding out where the best prices can be had, and governed less exclusively by business motives in their actions. Convention and the influence of round members impede changes in the retail prices of many articles. For all these reasons retail prices are less sensitive than wholesale prices to minor changes in the business situation, and less prompt in responding to important changes.

Again, the retail dealer usually sells to-day wares which he ordered months ago. The fact that wholesale prices have fallen since then does not at once make it possible for him to reduce his selling prices without loss of profit. Nor is he always able to advance retail prices the moment wholesale prices rise without risking loss of custom to his competitors, who like himself are still selling the goods they bought before the rise. Wholesale prices of previous months, rather than wholesale prices of to-day, then, are the prices which represent the cost of wares to the retailer and on which he bases selling prices. Of course this fact tends to make retail prices lag behind wholesale prices in their movements.

Once more, the shop-keeper is subject to other costs than the purchase price of his wares, and these other costs have far less mobility than wholesale prices. The rent for his shop, the rates of wages paid to his salesmen, the interest computed on the funds invested in his business, are not subject to frequent changes. To reduce proportionately the selling prices of his wares the moment wholesale prices fall, or even the moment he receives a new consignment of goods bought at lower rates, would reduce his profits because these other expenses run along at nearly the old rates for a considerable time. And, for the same reason, the shop-keeper can make his accustomed profit without advancing the selling prices of his goods proportionately the moment he begins to pay higher wholesale prices.

Finally, the wholesale prices which shop-keepers pay are wholesale prices of finished products. As was incidentally remarked in the preceding section, and as is shown in Tables 72 and 73, finished products vary less in wholesale prices than do raw materials. They advance and recede more slowly and in less extreme degree. Even if retail prices kept even pace with the fluctuations of the wholesale prices of the same wares, they would for this reason move more sluggishly than the general wholesale price-level.

With these facts in mind one has no difficulty in understanding why retail prices rose more slowly than wholesale prices from

1863 to 1865, reached their maximum about a year later, declined more slowly from 1866 to 1879, and rose less sharply in 1880.

The changes in both wholesale and retail prices of commodities bore upon the price of labor. Wholesale prices affected the prices which employers could pay for labor without changing profits. The farmer or the manufacturer whose products had risen in price was in a position to grant an increase in wages, if compelled to do so, without reducing profits below their former level. And when these employers had to sell their products at lower prices, their profits would fall unless they succeeded in reducing the cost of labor. From this point of view there was therefore a business bond between the prices of commodities at wholesale and the price of labor. From the point of view of the laborer, on the contrary, the important commodity-prices were those which affected cost of living. Preceding tables show that the cost of living corresponded rather closely with the general movements of retail prices, but rose and fell more slowly—primarily because of the sluggish movements of house-rents (see Table 27). To maintain his real wages unchanged, therefore, and provided constancy of employment did not vary, the wage-earner must have charged a price for his labor advancing somewhat more slowly than retail prices to a maximum in 1866, and then falling somewhat more slowly to a minimum in 1879.

Had the market for labor offered no independent resistance, the combined effect of these two forces might have produced fluctuations in the price of labor of a type intermediate between the rapid movements of wholesale prices and the slow movements of cost of living. But the preceding tables have shown that nothing of this sort happened. On the contrary, the fluctuations of the price of labor were even slower than the fluctuations of cost of living. Once more, the explanation is to be found in the peculiar characteristics of the market for the goods we are discussing.

In the '60's and, though in somewhat less degree, in the '70's, the labor market of the United States was one in which individual bargaining prevailed. Now the individual laborer is a poor bargainer. He is ignorant of the possibilities of his situation, exposed to the competition of others with the same disabilities, more anxious to sell than the employer to buy. Moreover, custom in the form of rooted ideas about what is a "fair wage" has a peculiarly tenacious hold upon the minds of both parties in the labor market, weakening the wage-earner's aggression and strengthening the employer's resistance. Finally, as was suggested in the chapter on wages, constancy of employment was probably above the average during the years when prices were rising, and tended to sustain the wage-earner's money income without so considerable an increase in the price of labor as would otherwise have been necessary.

These well-known facts make it seem natural that the price of labor should have advanced less rapidly than the cost of living up to 1866, despite the fact that enlistments in the army took tens of thousands of men out of the labor market during the war. It does not seem so natural that the price of labor should have continued to advance for five or six years after 1866, despite the fact that prices at wholesale and the cost of living were both declining, and that the soldiers were returning to their old occupations. The explanation of this fact is one of the problems which requires for solution other material than our tables afford. But it may be pointed out (1) that it was not until 1867, according to Table 68, that relative wages stood higher than relative cost of living; and (2) that the era of active railway building with its great demand for labor began in 1869. The fall in the price of labor after the crisis of 1873, however, is what the course of wholesale prices and cost of living would lead one to expect. From 1874 to 1879 the price of labor fell faster than the cost of living, as if in a belated attempt to make up for its failure to start promptly on the downward path.

A more definite idea of the relation between the fluctuations of the several classes of prices can be had by recurring to statistical presentation. There are two important industries—the manufacture of cotton and of woolen textiles—for which we have sufficient material to permit a comparison of the fluctuations in the prices of the basic raw material, of important finished products at wholesale (and at retail also in the case of cotton), and of labor. This material is presented in Tables 73 and 74, and more clearly shown in the accompanying charts. For purposes of comparison the prices of gold are included. To make the figures for the different classes of prices as nearly alike as possible, annual averages are used in place of monthly figures for gold, quarterly figures for wholesale prices, and semi-annual figures for wages. The relative prices for textiles are averages of the relative prices of broadcloths (two qualities), cassimeres (two qualities), checks, horse-blankets, and shawls in the case of wool; and of prints, brown sheetings, bleached sheetings, and tickings in the case of cotton. Arithmetic means are used instead of medians because the groups are so small.

TABLE 72.

Relative prices and wages in the woolen industry, and gold: by years, 1860-1880.

NOTE.—See p. 276.

Year	Gold Average Annual prices	Wool Relative prices	Wages Relative rates	Woolen Textiles Relative prices
1860	100.0	100	102	100
1861	100.0	82	107	99
1862	113.3	100	110	109
1863	145.2	158	117	141
1864	203.3	185	125	169
1865	157.3	172	142	164
1866	140.9	134	151	158
1867	138.2	111	149	134
1868	139.7	94	143	123
1869	133.0	97	148	117
1870	114.9	93	147	116
1871	111.7	110	149	121
1872	112.4	154	148	125
1873	113.8	119	150	126
1874	111.2	115	147	116
1875	114.9	107	151	116
1876	111.5	90	146	104
1877	104.8	92	142	100
1878	100.8	81	146	95
1879	100.0	76	143	102
1880	100.0	109	144	112

TABLE 73.

Relative prices and wages in the cotton industry, and gold: by years, 1860-1880.

NOTE.—See pp. 276, 277.

Year	Gold Av. Annual Price	Cotton Relative Prices	Wages Relative Rates	Cotton Textiles Relative Prices	
				At Wholesale	At Retail
1860	100.0	100	101	100	100
1861	100.0	141	97	98	124
1862	113.3	364	98	161	197
1863	145.2	675	108	292	287
1864	203.3	991	127	462	414
1865	157.3	577	140	411	373
1866	140.9	382	161	320	304
1867	138.2	257	167	227	236
1868	139.7	241	165	181	205
1869	133.0	267	169	174	173
1870	114.9	196	166	159	158
1871	111.7	163	177	146	135
1872	112.4	203	183	151	130
1873	113.8	183	178	140	123
1874	111.2	153	163	124	116
1875	114.9	137	150	112	109
1876	111.5	114	145	93	102
1877	104.8	110	142	87	97
1878	100.8	101	145	79	92
1879	100.0	100	144	79	91
1880	100.0	112	153	90	92

Table 74 and Chart XII give the nearest approach which the data allow to a similar exhibit for all commodities, and all industries. The figures for wholesale prices here are averages of the quarterly medians for each year from Table 4; the figures for retail prices are medians from Tables 21 and 27; and the figures for wages are averages of the semi-annual medians from Table 65. These three tables and three charts indicate that in degree of mobility the different classes of prices rank in the following order:—gold, raw materials, finished products at wholesale, products at retail, cost of living, and labor.

TABLE 74.

Average annual price of gold, average of quarterly medians of relative prices at wholesale, medians of relative prices at retail, medians of cost of living, and average of January and July medians of relative rates of wages: by years, 1860-1880.

NOTE.—See p. 278.

Years	Gold	Wholesale Prices	Retail Prices	Cost of Living	Wages
1860	100	100	100	100	100
1861	100	97	104	103	100
1862	113	103	115	112	101
1863	145	133	143	129	112
1864	203	180	170	156	130
1865	157	185	176	168	150
1866	141	177	180	170	161
1867	138	162	172	168	168
1868	140	158	174	161	169
1869	133	157	164	156	175
1870	115	139	157	150	175
1871	112	131	146	147	179
1872	112	134	144	148	177
1873	114	133	137	145	176
1874	111	130	136	145	172
1875	115	123	134	141	161
1876	112	113	129	133	153
1877	105	106	127	132	144
1878	101	95	122	132	141
1879	100	88	118	130	138
1880	100	105	118	132	139

IV.—The Economic Significance of the Price-revolutions of the Greenback Period.

Writers upon money usually state that it performs three functions, serving as a common denominator of value, a medium of exchange, and a standard of deferred payments. To enumerate the functions of money in this fashion, however, is very far from suggesting the importance of the rôle which money plays in economic life. To understand this rôle attention must be fixed upon the complex mechanism of prices, rather than upon money itself. It is impossible in this place to show the many ways in which this social mechanism affects economic life; but a brief statement of the relations between prices and fundamental economic processes is required to suggest the significance of the changes in different classes of prices which have been exhibited in the preceding chapters.

From the point of view of the men who direct it, the production of wealth is nowadays a business process of selling goods for more than they have cost, and is conducted for the sake of getting money profits. The technical processes involved in various departments of business—farming, manufacturing, transportation and commerce—are, in the eyes of the business men who direct them, simply subordinate parts of this business process—certain of the steps necessary to make profits by selling at prices which exceed the money cost. It is hardly too much to say that from the standpoint of the business men in control, the production of wealth is simply an incidental feature in the business process of making money.

Alongside these business enterprises incidentally concerned with the production, manufacture, and distribution of material goods, stand the business enterprises concerned with finance:—banks, trust companies, insurance companies, stock and bond houses—in short the whole mechanism of the investment and money markets. These enterprises, like the preceding class, are conducted for the sake of pecuniary profits, and their profits also depend on selling at prices higher than the prices paid. They represent the highest development and the most complex adjustments of the whole business organization, and all other enterprises are bound to them by the various forms of pecuniary obligations.

The distribution of the wealth produced by enterprises of the first sort supported by financial aid from enterprises of the second sort is effected by means of prices. Wages is the price paid for labor, interest the price paid for the use of loan-funds, rent the price paid for the use of material goods which must be returned without substantial deterioration, and profits is the residue of the aggregate prices received after the aggregate prices paid for the factors of production, for materials, etc., have been deducted.

To the individual, indeed, economic welfare depends primarily upon the money income he is able to get under the conditions presented by the price-system, and upon the aggregate prices which he must pay for what he wishes to consume.

Money prices, in brief, are the formal basis on which the economic relations of individuals in modern society are organized and the formal mechanism by which economic processes are carried on. It follows that the economic relations of individuals and the conduct of economic processes are subject to alteration by changes in the system of prices.

The relation between the changes in the system of prices and the economic activity of men is partly a relation of effect, partly one of cause. Most prices result from voluntary agreements entered into by independent individuals or corporations. Even when prices are established by public authority, or practically forced by one party on another, they are a product of man's will and changes are made to suit man's purposes. But it is also true that the system of prices has a quasi-independence of the will of individuals or even of the whole community. It has a logic of its own in the same sense that a mathematical investigation has; it presents technical exigencies in the same sense that a mechanical process does. Men who make use of the system of prices in their economic activity are constrained to obey its logic and to adapt themselves as best they may to its technical exigencies.

These general statements help to suggest the part which the price-revolutions of the greenback period played in the economic history of that time. Perhaps the clearest conception of the price-revolutions is gained by regarding them as changes made by the business community in its effort to adapt itself to the monetary conditions created by an inconvertible paper currency. Why men paid the currency prices they did for gold is a problem which has several times been mentioned only to be set aside as insoluble without more material than has been presented. But, granted the fluctuations of the premium, the fluctuations in the prices of other goods were the adjustments which men using prices as the basis of their economic relations were constrained to make by circumstances beyond their control.

Of course, different classes of men were affected in different ways by price-changes, and in turn used their economic influence to effect changes of different sorts,—so in all cases our figures show the resultants of complex sets of opposing forces. The process of change was attended by serious friction; but the final chart shows that despite this friction the price-system displayed remarkable flexibility. Wholesale prices lagged behind gold, to be sure; retail prices lagged behind wholesale prices, cost of living behind retail prices, and wages behind cost of living. An economic theorist, accustomed to imagine immediate and accurately guaged changes of prices occurring in a frictionless hypothetical market under the stimulus of some ''disturbing factor,'' might perhaps regard this lagging of one class of prices behind another as an important deviation from the ''natural'' course of events. But a student of prices in less highly organized business communities, or an economic historian familiar with earlier price-revolutions, would be much more impressed by the rapidity and system with which prices of different classes of goods were changed, than by the lack of completeness in the adjustment.

It is remarkable that these price-revolutions were effected without bringing more serious economic disaster upon the community. The conduct of economic processes by a complex mechanism of prices, supplemented by a complex system of credits, might be expected to produce dire confusion when the prices of different classes of commodities changed so rapidly and in such different degrees. But the flexibility which the price system displayed was an ordered flexibility, and the mutual relations of its different parts were maintained without fundamental change, so that business continued to be conducted in a fairly normal fashion. To be sure, a great business crisis and several years of profound business depression occurred during the period of the greenback standard. But neither can be ascribed in large measure to its influence. For the crisis of 1873 and the resulting period of depression were felt quite as severely in European countries with specie standards. Moreover, the crisis came in the United States after the most startling fluctuations in the prices of gold and commodities had long been passed, and at the end of nearly four years of a relatively stable premium. The much more extraordinary fluctuations of 1865, when the median of relative wholesale prices fell 58 points in six months, passed without disaster.

But, though these changes in the price-level were effected without producing the catastrophes which might have been expected, they were not without important consequences on the distribution and production of wealth. It has been shown that the real incomes of wage-earners were seriously affected by the changes in cost of living and money wages. It may also be inferred from the tables that the economic welfare of all recipients of fixed incomes was altered more than once. Analysis would also show that the dissimilar fluctuations of wholesale prices and of wages must have influenced profits. And if data were at hand to show variations in the rates of interest on long and short loans it would appear that lending capitalists, like other classes, had their share in the vicissitudes of the period. Finally, changes in the distribution of wealth, particularly changes in profits, in their turn influenced the production of wealth. But these changes in distribution and production cannot be profitably studied without the use of other data than our tables supply.

The tables of this book, then, suggest more problems than they solve. Logically first is the problem of the causes which controlled the specie value of the greenback dollar. Second is the problem concerning the various factors other than the premium on gold which affected prices. Third is the problem how the business community was able to avoid more frequent and more serious disasters from the instability of prices. Finally come the problems just suggested—the consequences of the fluctuations in the prices of different classes of economic goods upon the distribution and production of wealth. The statistical material which is here presented affords an indispensable part of the data required for defining and solving all of these problems; but only a part.

APPENDIX.

Much of the material contained in the following tables for the years 1860-1866 was published in slightly different form in

> *A History of the Greenbacks, with Special Reference to the Economic Consequences of their Issue.* Volume IX, Second Series, Decennial Publications of The University of Chicago.

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TABLE 1.

Daily highest and lowest premium on gold and price of greenbacks in gold: 1862-1878.

NOTE.—Regarding the sources and arrangement of the following table, see the explanations in Chapter I, Section ii.

TABLE 1.

Daily highest and lowest premium on gold and price of greenbacks in gold.

1862.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	½ — 1½	99.50—98.52	3½ — 3½	96.62—96.62	2⅜ — 2½	97.68—97.56	1⅞ — 2	98.16—98.04
2	1 — 1¼	99.01—98.77	Sunday	Sunday	Sunday	Sunday	2 — 2⅛	98.04—97.92
3	1 — 1¼	99.01—98.77	3⅜ — 3½	96.74—96.62	2 — 2⅜	98.04—97.68	1¾ — 1⅞	98.28—98.16
4	1¾ — 2	98.28—98.04	3½ — 3⅝	96.62—96.50	1⅞ — 2	98.16—98.04	1¾ — 1⅞	98.28—98.16
5	Sunday	Sunday	3⅜ — 3½	96.74—96.62	2 — 2	98.04—98.04	1⅞ — 2	98.16—98.04
6	2¼ — 2½	97.80—97.56	3⅜ — 3½	96.74—96.62	2 — 2⅛	98.04—97.92	Sunday	Sunday
7	2¾ — 3	97.32—97.09	3⅜ — 3⅝	96.74—96.50	2 — 2⅛	98.04—97.92	2⅛ — 2¼	97.92—97.80
8	3½ — 3½	96.62—96.62	3½ — 3⅝	96.62—96.50	1¾ — 1⅞	98.28—98.16	1 — 2⅛	99.01—97.92
9	4¼ — 4¼	95.92—95.92	Sunday	Sunday	Sunday	Sunday	1¾ — 1⅞	98.28—98.16
10	4½ — 5	95.69—95.24	3⅝ — 3⅞	96.50—96.27	2 — 2	98.04—98.04	1¾ — 1⅞	98.28—98.16
11	3½ — 4	96.62—96.15	3⅞ — 4	96.27—96.15	1⅝ — 1¾	98.40—98.28	1⅞ — 2	98.16—98.04
12	Sunday	Sunday	4 — 4⅛	96.15—96.04	1⅝ — 1⅝	98.40—98.40	1¾ — 2	98.28—98.04
13	3 — 3	97.09—97.09	4¼ — 4⅜	95.92—95.81	1½ — 1½	98.52—98.52	Sunday	Sunday
14	2¾ — 3¼	97.32—96.85	4⅜ — 4⅝	95.81—95.58	1½ — 1⅝	98.52—98.40	1¾ — 1⅞	98.28—98.16
15	2½ — 2¾	97.56—97.32	4⅝ — 4¾	95.58—95.47	1½ — 1½	98.52—98.52	1¾ — 1⅞	98.28—98.16
16	2¼ — 2½	97.80—97.56	Sunday	Sunday	Sunday	Sunday	1⅝ — 1⅝	98.40—98.40
17	1⅞ — 2	98.16—98.04	3¾ — 3⅞	96.39—96.27	1½ — 1⅝	98.52—98.40	1½ — 1⅝	98.52—98.40
18	1¾ — 2	98.28—98.04	3⅜ — 3¾	96.74—96.39	1⅜ — 1½	98.64—98.52	1½ — 1½	98.52—98.52
19	Sunday	Sunday	3 — 3¼	97.09—96.85	1½ — 1⅝	98.52—98.40	1½ — 1⅝	98.52—98.40
20	2¼ — 2½	97.80—97.56	3¼ — 3⅜	96.85—96.74	1¼ — 1⅜	98.77—98.64	Sunday	Sunday
21	2¼ — 2½	97.80—97.56	3⅛ — 3⅛	96.97—96.97	1¼ — 1½	98.77—98.52	1⅝ — 1⅝	98.40—98.40
22	2⅝ — 2⅞	97.44—97.21	3 — 3	97.09—97.09	1¼ — 1⅜	98.77—98.64	1⅝ — 1⅝	98.40—98.40
23	3⅜ — 3¾	96.74—96.39	Sunday	Sunday	Sunday	Sunday	1⅝ — 1¾	98.40—98.28
24	3⅜ — 3½	96.74—96.62	3 — 3¼	97.09—96.85	1¼ — 1⅜	98.77—98.64	1½ — 1⅝	98.52—98.40
25	3 — 3¼	97.09—96.85	3 — 3⅛	97.09—96.97	1⅛ — 1¼	98.89—98.77	1½ — 1½	98.52—98.52
26	Sunday	Sunday	2⅞ — 3⅛	97.21—96.97	1¼ — 1⅜	98.77—98.64	1½ — 1⅝	98.52—98.40
27	3 — 3¼	97.09—96.85	2⅛ — 2¼	97.92—97.80	1¼ — 1¾	98.77—98.28	Sunday	Sunday
28	3⅜ — 3⅜	96.74—96.74	2⅛ — 2¼	97.92—97.80	1¼ — 1⅜	98.77—98.64	1⅝ — 1¾	98.40—98.28
29	3¼ — 3⅜	96.85—96.74	....	....	1½ — 1½	98.52—98.52	1¾ — 1¾	98.28—98.28
30	3¼ — 3½	96.85—96.62	....	....	Sunday	Sunday	2 — 2	98.04—98.04
31	3½ — 3⅝	96.62—96.50	....	....	1⅜ — 1¾	98.64—98.28	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1862.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	2⅛ — 2¼	97.92—97.80	Sunday	Sunday	8¾ — 9¼	91.95—91.53	15⅛ — 15¾	86.86—86.39
2	2¼ — 2½	97.80—97.56	3½ — 3⅝	96.62—96.50	8⅞ — 9⅜	91.85—91.43	15 — 15¼	86.96—86.77
3	2½ — 2¾	97.56—97.32	3½ — 3½	96.62—96.62	9½ — 9½	91.32—91.32	Sunday	Sunday
4	Sunday	Sunday	3½ — 3⅝	96.62—96.50	Holiday	Holiday	14⅝ — 15	87.24—86.96
5	3⅛ — 3¾	96.97—96.39	3⅝ — 4	96.50—96.15	9½ — 9⅞	91.32—91.01	14½ — 14¾	87.34—87.15
6	2⅝ — 3⅜	97.44—96.74	4 — 4¼	96.15—95.92	Sunday	Sunday	14⅝ — 14¾	87.24—87.15
7	2⅜ — 2¾	97.68—97.32	4 — 4⅛	96.15—96.04	10 — 10¼	90.91—90.70	14 — 14⅞	87.72—87.05
8	2¾ — 3	97.32—97.09	Sunday	Sunday	11¼ — 11½	89.89—89.69	12⅝ — 14	88.79—87.72
9	3⅛ — 3¼	96.97—96.85	4¼ — 4⅜	95.92—95.81	13½ — 16½	88.11—85.84	12½ — 12⅞	88.89—88.59
10	2¼ — 3⅜	97.80—96.74	4¼ — 4⅜	95.92—95.81	15⅝ — 17½	86.49—85.11	Sunday	Sunday
11	Sunday	Sunday	3⅜ — 4½	96.74—95.69	14¾ — 16	87.15—86.21	12½ — 13⅜	88.89—88.20
12	3⅜ — 3⅝	96.74—96.50	4¾ — 5¼	95.47—95.01	13⅞ — 14½	87.82—87.34	13½ — 14¼	88.11—87.53
13	3¼ — 3⅜	96.85—96.74	5¼ — 5⅜	95.01—94.90	Sunday	Sunday	14⅜ — 14½	87.43—87.34
14	3¼ — 3¼	96.85—96.85	5⅝ — 5¾	94.67—94.56	15½ — 16⅜	86.58—85.93	15¼ — 15⅞	86.77—86.30
15	3¼ — 3⅝	96.85—96.50	Sunday	Sunday	16¾ — 17	85.65—85.47	14¾ — 15½	87.15—86.58
16	3 — 3½	97.09—96.62	6½ — 6¾	93.90—93.68	16¾ — 17¼	85.65—85.29	14½ — 14⅝	87.34—87.24
17	3 — 3⅛	97.09—96.97	6 — 6½	94.34—93.90	17¾ — 18⅞	84.93—84.12	Sunday	Sunday
18	Sunday	Sunday	5⅜ — 5⅞	94.90—94.45	19 — 19¼	84.03—83.88	15⅛ — 15¼	86.86—86.77
19	3¼ — 3¼	96.85—96.85	6 — 6⅝	94.34—93.79	18¼ — 18½	84.57—84.39	14¾ — 15⅛	87.15—86.86
20	3¼ — 3⅜	96.85—96.74	6⅜ — 6⅝	94.01—93.79	Sunday	Sunday	15 — 15¼	86.96—86.77
21	3¼ — 3½	96.85—96.62	6⅜ — 6½	94.01—93.90	19¾ — 20	83.51—83.33	15¼ — 15⅞	86.77—86.30
22	3½ — 3⅝	96.62—96.50	Sunday	Sunday	19⅝ — 20⅛	83.59—83.25	15½ — 16¼	86.58—86.02
23	3⅜ — 3½	96.74—96.62	6¾ — 8	93.68—92.59	19 — 19¼	84.03—83.88	15⅛ — 15⅞	86.86—86.30
24	3⅜ — 3⅝	96.74—96.50	8¼ — 8¾	92.38—91.95	17 — 18½	85.47—84.39	Sunday	Sunday
25	Sunday	Sunday	8¼ — 8¾	92.38—91.95	14½ — 16½	87.34—85.84	15¼ — 15¾	86.77—86.39
26	4 — 4	96.15—96.15	8⅞ — 9¼	91.85—91.53	17 — 17½	85.47—85.11	15¼ — 15⅜	86.77—86.67
27	4 — 4⅛	96.15—96.04	9⅜ — 9½	91.43—91.32	Sunday	Sunday	15¼ — 15½	86.77—86.58
28	3⅞ — 4	96.27—96.15	9 — 9⅛	91.74—91.64	16⅝ — 17⅝	85.74—85.02	15½ — 15⅝	86.58—86.49
29	3¾ — 3⅞	96.39—96.27	Sunday	Sunday	15¾ — 16½	86.39—85.84	16 — 16	86.21—86.21
30	3⅝ — 3⅝	96.50—96.50	8⅞ — 9¼	91.85—91.53	14⅜ — 15⅜	87.43—86.67	15⅝ — 15¾	86.49—86.39
31	3½ — 3⅝	96.62—96.50	…………	…………	14½ — 15⅜	87.34—86.67	Sunday	Sunday

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1862.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	16½—17	85.84—85.47	22—23¾	81.17—80.81	29⅝—31¼	75.15—76.19	28½—31½	77.82—76.05
2	16½—16¾	85.84—85.65	22¾—23	81.47—81.30	Sunday	Sunday	31—31½	76.34—76.05
3	17¾—18	84.93—84.75	22⅜—22⅝	81.72—81.55	30½—31½	76.63—76.05	31—32	76.34—75.76
4	17¾—17⅞	84.93—84.84	22½—23	81.63—81.30	29½—31½	77.22—76.05	33—34	75.19—74.63
5	18¼—19⅛	84.57—83.95	Sunday	Sunday	31½—32¼	76.05—75.61	31½—32½	76.05—75.47
6	18¾—19¼	84.21—83.88	22⅞—24⅛	81.38—80.56	31½—32	76.05—75.76	30½—32	76.63—75.76
7	Sunday	Sunday	23—23⅞	81.30—80.73	31½—32	76.05—75.76	Sunday	Sunday
8	18¾—19½	84.21—83.68	24¼—24⅞	80.48—80.08	32—32½	75.76—75.47	31⅜—31½	76.12—76.05
9	18⅝—18⅞	84.30—84.12	25¼—26½	79.84—79.05	Sunday	Sunday	32⅝—33	75.40—75.19
10	18⅝—18¾	84.30—84.21	27¼—29	78.59—77.52	32¼—33¼	75.61—75.05	32⅛—32½	75.69—75.47
11	18¾—18⅞	84.21—84.12	28—28¼	78.12—77.97	31—32¾	76.34—75.33	32⅛—32¼	75.69—75.61
12	18½—18¾	84.39—84.21	Sunday	Sunday	31½—32	76.05—75.76	31½—31¾	76.05—75.90
13	18—18¼	84.75—84.57	29—29¼	77.52—77.37	31½—32	76.05—75.76	31⅛—32	76.26—75.76
14	Sunday	Sunday	31—33	76.34—75.19	31—32	76.34—75.76	Sunday	Sunday
15	17½—17¾	85.11—84.93	32—32¾	75.76—75.33	31¾—32	75.90—75.76	31⅛—32¼	75.83—75.61
16	16½—17¾	85.84—84.93	32—32½	75.76—75.47	Sunday	Sunday	32—32⅞	75.76—75.26
17	16½—17½	85.84—85.11	32—32½	75.76—75.47	32—32¼	75.76—75.61	32¼—33	75.61—75.19
18	16½—16⅞	85.84—85.56	30—30¼	76.92—76.78	31⅜—32	76.12—75.76	32⅛—32¾	75.69—75.33
19	16⅞—17	85.56—85.47	Sunday	Sunday	30—31	76.92—76.34	32¼—32¾	75.61—75.33
20	16¾—17⅛	85.65—85.38	28⅝—29½	77.75—77.22	30¼—30½	76.78—76.63	32—32⅞	75.76—75.26
21	Sunday	Sunday	28¼—29¾	77.97—77.07	30¼—30⅝	76.78—76.56	Sunday	Sunday
22	17⅛—17½	85.38—85.11	33—33½	75.19—74.91	30½—30¾	76.63—76.48	32¼—32⅝	75.61—75.40
23	17¾—18¾	84.93—84.21	32½—33	75.47—75.19	Sunday	Sunday	32⅛—32¼	75.69—75.61
24	18⅝—19	84.30—84.03	31—32	76.34—75.76	30⅛—30¾	76.85—76.48	32—32⅛	75.76—75.69
25	20—20¾	83.33—82.82	30—31¼	76.92—76.19	29⅞—30	77.00—76.92	Christmas	Christmas
26	20¼—20½	83.16—82.99	Sunday	Sunday	29¼—29½	77.37—77.22	31⅞—32	75.83—75.76
27	21⅜—21⅜	82.39—82.39	30—31¼	76.92—76.19	Thanksgiving	Thanksgiving	31⅞—32⅝	75.83—75.40
28	Sunday	Sunday	31⅝—32¼	75.97—75.61	29¼—29½	77.37—77.22	Sunday	Sunday
29	21¾—23½	82.14—80.97	31¼—31¾	76.19—75.90	29—29¼	77.52—77.37	31⅞—32¾	75.83—75.33
30	21½—24	82.30—80.65	30¼—30¾	76.78—76.48	Sunday	Sunday	32⅝—33	75.40—75.19
31	....	....	29½—30	77.22—76.92	....	....	33¼—33⅝	75.05—74.84

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1863.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	Sunday	Sunday	Sunday	Sunday	56 — 57⅞	64.10—63.34
2	33⅝ — 33⅞	74.84—74.70	56¾ — 59	63.80—62.89	71½ — 71¾	58.31—58.22	53¼ — 57	65.25—63.69
3	33¾ — 34½	74.77—74.35	54½ — 55⅛	64.73—64.46	71 — 71¾	58.48—58.22	53 — 53½	65.36—65.15
4	Sunday	Sunday	57 — 58½	63.69—63.09	65 — 68	60.61—59.52	54¾ — 55¼	64.62—64.41
5	34⅝ — 35¼	74.28—73.94	56⅝ — 58	63.85—63.29	57 — 58	63.69—63.29	Sunday	Sunday
6	34 — 34⅝	74.63—74.28	57¼ — 58½	63.59—63.09	50 — 54	66.67—64.94	51 — 52⅞	66.23—65.41
7	34 — 35	74.63—74.07	56⅝ — 57⅞	63.85—63.34	54¾ — 55½	64.62—64.31	50 — 52⅞	66.67—65.41
8	35⅞ — 37	73.60—72.99	Sunday	Sunday	Sunday	Sunday	45½ — 47	68.73—68.03
9	38 — 38½	72.46—72.20	54½ — 56½	64.73—63.90	55¾ — 57¼	64.21—63.59	46¼ — 48	68.38—67.57
10	36⅞ — 38¾	73.06—72.07	52½ — 53⅞	65.57—64.99	60 — 63	62.50—61.35	46½ — 49	68.26—67.11
11	Sunday	Sunday	52½ — 53¾	65.57—65.04	57⅞ — 58½	63.34—63.09	50½ — 52½	66.45—65.57
12	40⅝ — 42¼	71.11—70.30	54⅛ — 54½	64.88—64.73	58½ — 60⅛	63.09—62.45	Sunday	Sunday
13	42 — 44	70.42—69.44	55⅛ — 56	64.46—64.10	59 — 61¼	62.89—62.02	57 — 57½	63.69—63.49
14	46¾ — 48	68.14—67.57	55¼ — 56	64.41—64.10	57¾ — 58¾	63.39—62.99	55 — 55⅝	64.52—64.26
15	48⅛ — 48¾	67.51—67.23	Sunday	Sunday	Sunday	Sunday	52 — 54	65.79—64.94
16	45½ — 45¾	68.73—68.61	55⅞ — 57½	64.15—63.49	54½ — 55½	64.73—64.31	52 — 53¾	65.79—65.04
17	46⅞ — 47⅝	68.08—67.74	58¼ — 59¼	63.19—62.79	54⅝ — 55¼	64.67—64.41	53¼ — 53¾	65.25—65.04
18	Sunday	Sunday	60½ — 62	62.31—61.73	53⅜ — 55	65.20—64.52	51¼ — 52⅝	66.12—65.52
19	47¾ — 48¾	67.68—67.23	61½ — 64	61.92—60.98	54⅞ — 55⅞	64.57—64.15	Sunday	Sunday
20	47¾ — 48¾	67.68—67.23	62½ — 63¾	61.54—61.07	54½ — 55	64.73—64.52	48¾ — 50¾	67.23—66.34
21	47¾ — 48½	67.68—67.34	62 — 63½	61.73—61.16	53⅞ — 54⅞	64.99—64.57	46 — 47	68.49—68.03
22	47¼ — 48½	67.91—67.34	Sunday	Sunday	Sunday	Sunday	45¾ — 47	68.61—68.03
23	47 — 48	68.03—67.57	63½ — 64⅞	61.16—60.65	51 — 53½	66.23—65.15	48⅜ — 50	67.40—66.67
24	48⅜ — 50	67.40—66.67	67¾ — 71½	59.61—58.31	45½ — 59	68.73—62.89	51½ — 52	66.01—65.79
25	Sunday	Sunday	71½ — 72⅜	58.31—58.01	39½ — 41¾	71.68—70.55	52 — 54	65.79—64.94
26	48⅞ — 51¾	67.17—65.90	69½ — 72½	59.00—57.97	39 — 40¼	71.94—71.30	Sunday	Sunday
27	53¼ — 54¾	65.25—64.62	69⅜ — 71	59.04—58.48	40 — 40⅞	71.43—70.98	50 — 53⅞	66.67—64.99
28	52½ — 54	65.57—64.94	71½ — 72½	58.31—57.97	42¼ — 43⅛	70.30—69.87	49⅝ — 50⅝	66.83—66.39
29	53 — 55¼	65.36—64.41	....	....	Sunday	Sunday	50 — 50⅝	66.67—66.39
30	53 — 58¼	65.36—63.19	....	....	44¼ — 47¼	69.32—67.91	National Fast	National Fast
31	59 — 60¾	62.89—62.21	....	....	48½ — 50	67.34—66.67	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1863.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	50¾ — 51½	66.34—66.01	46 — 47½	68.49—67.80	44¾ — 45	69.08—68.97	29⅜ — 29¾	77.29—77.07
2	49⅞ — 50½	66.72—66.45	46¾ — 47¼	68.14—67.91	43⅞ — 44¼	69.50—69.32	Sunday	Sunday
3	Sunday	Sunday	46¾ — 46⅞	68.14—68.08	44 — 44¼	69.44—69.32	27½ — 27¾	78.43—78.28
4	48¼ — 50	67.45—66.67	46 — 46½	68.49—68.26	Holiday	Holiday	28¼ — 28¾	77.97—77.67
5	48½ — 51½	67.34—66.01	46 — 46¼	68.49—68.38	Sunday	Sunday	27¾ — 27⅞	78.28—78.20
6	52¼ — 54	65.68—64.94	45⅛ — 45⅜	68.91—68.79	38 — 39¼	72.46—71.81	Thanksgiving	Thanksgiving
7	54¼ — 54¾	64.83—64.62	Sunday	Sunday	32½ — 38½	75.47—72.20	27 — 27¾	78.74—78.28
8	54¼ — 54½	64.83—64.73	43 — 43	69.93—69.93	31⅜ — 31¾	76.12—75.90	26¼ — 26⅜	79.21—79.13
9	49 — 50¼	67.11—66.56	42⅛ — 42⅜	70.36—70.24	31¼ — 31½	76.19—76.05	Sunday	Sunday
10	Sunday	Sunday	40½ — 40⅞	71.17—70.98	32¼ — 32½	75.61—75.47	26⅛ — 26¾	79.29—78.90
11	48½ — 49	67.34—67.11	41¾ — 42	70.55—70.42	32⅛ — 32½	75.69—75.47	26¼ — 26½	79.21—79.05
12	48½ — 49¼	67.34—67.00	41¼ — 41⅜	70.80—70.73	Sunday	Sunday	26⅛ — 26⅜	79.29—79.13
13	49¾ — 49⅞	66.78—66.72	42¼ — 42½	70.30—70.18	31¼ — 31⅝	76.19—75.97	26⅝ — 27	78.97—78.74
14	49¾ — 50	66.78—66.67	Sunday	Sunday	31¼ — 31½	76.19—76.05	25¼ — 26½	79.84—79.05
15	49¾ — 50	66.78—66.67	44½ — 46	69.20—68.49	28⅞ — 29¼	77.59—77.37	25⅜ — 25½	79.76—79.68
16	49¾ — 50¼	66.78—66.56	47¾ — 48⅜	67.68—67.40	26 — 26⅛	79.37—79.29	Sunday	Sunday
17	Sunday	Sunday	45½ — 45¾	68.73—68.61	25¾ — 26	79.52—79.37	25⅝ — 25¾	79.60—79.52
18	49¾ — 50	66.78—66.67	43⅛ — 44⅝	69.87—69.14	25¼ — 25¼	79.84—79.84	25⅝ — 25⅝	79.60—79.60
19	48⅛ — 49⅛	67.51—67.06	43 — 43¾	69.93—69.57	Sunday	Sunday	24½ — 25⅛	80.32—79.92
20	48⅝ — 49	67.28—67.11	43½ — 43½	69.69—69.69	23¼ — 25⅜	81.14—79.76	24⅞ — 24⅞	80.08—80.08
21	48¾ — 50	67.23—66.67	Sunday	Sunday	26 — 27⅜	79.37—78.51	25¼ — 25⅜	79.84—79.76
22	48½ — 49¾	67.34—66.78	43⅜ — 43⅞	69.75—69.50	24½ — 25¾	80.32—79.52	24¾ — 24⅞	80.16—80.08
23	48½ — 49½	63.34—66.89	43⅜ — 43½	69.75—69.69	25¾ — 26⅛	79.52—79.29	Sunday	Sunday
24	Sunday	Sunday	43⅛ — 44	69.87—69.44	26⅛ — 26¼	79.29—79.21	24 — 24	80.65—80.65
25	45¾ — 46½	68.61—68.26	44¾ — 45¾	69.08—68.61	25¾ — 25⅞	79.52—79.44	22⅛ — 23½	81.88—80.97
26	43½ — 45	69.69—68.97	44¾ — 45	69.08—68.97	Sunday	Sunday	22½ — 23¼	81.63—81.14
27	43⅝ — 44¾	69.63—69.08	45 — 45¼	68.97—68.85	27½ — 28	78.43—78.12	24½ — 24⅞	80.32—80.08
28	43½ — 43⅞	69.69—69.50	Sunday	Sunday	27½ — 27¾	78.43—78.28	24 — 24⅜	80.65—80.40
29	44½ — 45⅛	69.20—68.91	46½ — 47⅛	68.26—67.97	27½ — 27¾	78.43—78.28	24¾ — 24⅞	80.16—80.08
30	44⅞ — 45¼	69.03—68.85	46⅛ — 46¾	68.43—68.14	27⅝ — 27¾	78.35—78.28	Sunday	Sunday
31	Sunday	Sunday	....	....	28½ — 29	77.82—77.52	27 — 28¼	78.74—77.97

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1863.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	26⅞— 27⅜	78.82—78.51	40⅜— 40⅜	71.24—71.24	Sunday	Sunday	48⅛— 48⅜	67.51—67.40
2	27½— 28	78.43—78.12	42½— 43¼	70.18—69.81	45⅞— 46½	68.55—68.26	48½— 48⅝	67.34—67.28
3	29½— 34¼	77.22—74.49	42⅝— 43⅛	70.11—69.87	46⅛— 46¼	68.43—68.38	51½— 52½	66.01—65.57
4	33½— 34½	74.91—74.35	Sunday	Sunday	46 — 46⅛	68.49—68.43	52½— 52¾	65.57—65.47
5	31½— 31¾	76.05—75.90	44 — 44¾	69.44—69.08	46¼— 47¼	68.38—67.91	51¾— 52	65.90—65.79
6	Sunday	Sunday	46 — 47¼	68.49—67.91	48 — 48¾	67.57—67.23	Sunday	Sunday
7	33 — 33¼	75.19—75.05	46¼— 46½	68.38—68.26	46¼— 47⅜	68.38—67.85	51 — 52⅛	66.23—65.74
8	32 — 32⅛	75.76—75.69	45⅞— 46	68.55—68.49	Sunday	Sunday	48¾— 49½	67.23—66.89
9	32⅜— 32⅝	75.54—75.40	46¾— 47	68.14—68.03	46¼— 46⅝	68.38—68.20	48½— 48⅝	67.34—67.28
10	31⅛— 31⅜	76.26—76.12	48⅜— 48½	67.40—67.34	45 — 45½	68.97—68.73	48¾— 49⅝	67.23—66.83
11	29⅜— 29¾	77.29—77.07	Sunday	Sunday	45⅜— 45¾	68.79—68.61	51 — 51½	66.23—66.01
12	28⅞— 29	77.59—77.52	49½— 50¼	66.89—66.56	46⅝— 47	68.20—68.03	50¼— 50⅜	66.56—66.50
13	Sunday	Sunday	53¾— 55	65.05—64.52	47 — 47⅜	68.03—67.85	Sunday	Sunday
14	30⅞— 31⅝	76.41—75.97	52½— 53¾	65.57—65.04	46⅝— 47	68.20—68.03	49¾— 50⅜	66.78—66.50
15	31 — 32⅛	76.34—75.69	56 — 56¾	64.10—63.80	Sunday	Sunday	50¾— 50¾	66.34—66.34
16	31⅜— 32¼	76.12—75.61	54⅛— 54¼	64.88—64.83	47 — 47⅛	68.03—67.97	49¼— 49¾	67.00—66.78
17	32¼— 32½	75.61—75.47	49¼— 50	67.00—66.67	47⅞— 48½	67.62—67.34	50¼— 50½	66.56—66.45
18	33 — 33¼	75.19—75.05	Sunday	Sunday	49½— 50	66.89—66.67	51⅝— 52½	65.95—65.57
19	33¾— 34	74.77—74.63	50⅞— 51½	66.28—66.01	51 — 52¾	66.23—65.47	51½— 52	66.01—65.79
20	Sunday	Sunday	49⅝— 49¾	66.83—66.78	52½— 53¼	65.57—65.25	Sunday	Sunday
21	39 — 39¼	71.94—71.81	43¾— 46	69.57—68.49	53½— 54	65.15—64.94	52⅛— 52½	65.74—65.57
22	37¼— 38½	72.86—72.20	42¾— 44¼	70.05—69.32	Sunday	Sunday	52⅛— 52¼	65.74—65.68
23	37½— 38¼	72.73—72.33	45¾— 46½	68.61—68.26	53 — 54	65.36—64.94	52 — 52½	65.79—65.57
24	36¾— 37	73.13—72.99	46¾— 47	68.14—68.03	50½— 52	66.45—65.79	51⅝— 51¾	65.95—65.90
25	38 — 38⅛	72.46—72.40	Sunday	Sunday	48¾— 49	67.23—67.11	Christmas	Christmas
26	39 — 39¼	71.94—71.81	49½— 49¾	66.89—66.78	Thanksgiving	Thanksgiving	51½— 51½	66.01—66.01
27	Sunday	Sunday	46 — 47¼	68.49—67.91	43 — 45½	69.93—68.73	Sunday	Sunday
28	39¼— 39⅜	71.81—71.75	45¾— 46½	68.61—68.26	44½— 44⅝	69.20—69.14	51¾— 52⅝	65.90—65.52
29	42½— 43⅛	70.18—69.87	47 — 48	68.03—67.57	Sunday	Sunday	52⅝— 52¾	65.52—65.47
30	41¼— 42	70.80—70.42	46 — 46⅜	68.49—68.32	48 — 48¾	67.57—67.23	51¾— 52⅛	65.90—65.74
31	....	....	45⅜— 45½	68.79—68.73	....	....	51⅞— 51⅞	65.84—65.84

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1864.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	57½— 57¾	63.49—63.39	59 — 60	62.89—62.50	66½— 68¼	60.06—59.44
2	51⅝— 52	65.95—65.79	57¼— 57⅜	63.59—63.54	59⅝— 59⅝	62.65—62.65	66½— 66¾	60.06—59.97
3	Sunday	Sunday	57¾— 58	63.39—63.29	60½— 61	62.31—62.11	Sunday	Sunday
4	....	....	58 — 58	63.29—63.29	60⅛— 61½	62.45—61.92	66¼— 66⅝	60.15—60.02
5	51⅝— 51⅝	65.95—65.95	57¾— 58¼	63.39—63.19	61⅝— 61⅞	61.87—61.78	67⅝— 67¾	59.66—59.61
6	51½— 51½	66.01—66.01	57¾— 58¼	63.39—63.19	Sunday	Sunday	68¾— 70⅝	59.26—58.61
7	51⅞— 52¼	65.84—65.68	Sunday	Sunday	61¾— 61¾	61.82—61.82	70⅝— 71	58.61—58.48
8	51¾— 52¼	65.90—65.68	58¾— 59¼	62.99—62.79	62⅝— 63¼	61.49—61.26	69½— 69½	59.00—59.00
9	....	....	59⅝— 59¾	62.65—62.60	67 — 67¾	59.88—59.61	69½— 69½	59.00—59.00
10	Sunday	Sunday	59¼— 59¼	62.79—62.79	64¾— 64¾	60.70—60.70	Sunday	Sunday
11	52⅜— 52½	65.63—65.57	59⅜— 59½	62.75—62.70	64⅝— 64¾	60.74—60.70	69½— 69½	59.00—59.00
12	53¾— 54¼	65.04—64.83	59 — 59¼	62.89—62.79	60½— 62	62.31—61.73	73¾— 75	57.55—57.14
13	53¾— 53⅞	65.04—64.99	59½— 59⅝	62.70—62.65	Sunday	Sunday	75⅝— 75¾	56.94—56.90
14	54½— 54⅞	64.73—64.57	Sunday	Sunday	60½— 60¾	62.31—62.21	76 — 77¼	56.82—56.42
15	55¼— 55½	64.41—64.31	59⅞— 60⅜	62.55—62.35	62¼— 62¾	61.63—61.44	73½— 73¾	57.64—57.55
16	55¾— 56½	64.21—63.90	60¼— 61	62.40—62.11	61⅝— 62	61.87—61.73	71 — 71¼	58.48—58.39
17	Sunday	Sunday	59⅞— 60	62.55—62.50	61⅛— 61½	62.06—61.92	Sunday	Sunday
18	59¼— 59¼	62.79—62.79	59⅞— 59⅞	62.55—62.55	63 — 63	61.35—61.35	70½— 70½	58.65—58.65
19	59¼— 59⅜	62.79—62.75	58 — 58⅝	63.29—63.04	62 — 62	61.73—61.73	67 — 68	59.88—59.52
20	58¼— 58⅞	63.19—62.94	59⅛— 59¼	62.84—62.79	Sunday	Sunday	67 — 67½	59.88—59.70
21	56¼— 57	64.00—63.69	Sunday	Sunday	62 — 62	61.73—61.73	66⅞— 67½	59.93—59.70
22	56¾— 57⅝	63.80—63.44	59 — 59	62.89—62.89	....	....	73½— 74¾	57.64—57.22
23	56 — 56⅝	64.10—63.85	57¼— 57¾	63.59—63.39	64¼— 65½	60.88—60.42	74⅞— 77½	57.18—56.34
24	Sunday	Sunday	57¼— 57½	63.59—63.49	66½— 66½	60.06—60.06	Sunday	Sunday
25	57⅝— 57⅞	63.44—63.34	58¼— 58⅜	63.19—63.14	Good Friday	Good Friday	79 — 82½	55.87—54.79
26	58 — 58⅛	63.29—63.24	57½— 58⅜	63.49—63.14	69½— 69¾	59.00—58.91	81¼— 84¾	55.17—54.13
27	57 — 57	63.69—63.69	57⅛— 58½	63.64—63.09	Sunday	Sunday	81 — 81¼	55.25—55.17
28	57⅛— 57¼	63.64—63.59	Sunday	Sunday	....	....	77⅞— 80¼	56.22—55.48
29	56¾— 57⅝	63.80—63.44	59 — 59¼	62.89—62.79	65¾— 65⅞	60.33—60.29	77⅝— 80¼	56.30—55.48
30	56¾— 57⅛	63.80—63.64	....	....	63⅝— 64¼	61.12—60.88	79½— 80	55.71—55.56
31	Sunday	Sunday	....	....	64¼— 64¼	60.88—60.88	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1864.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	90 — 90	52.63—52.63	122 —150	45.05—40.00	151 —159	39.84—38.61
2	76 — 77⅜	56.82—56.38	88½ — 90	53.05—52.63	130 —150	43.48—40.00	156 —158½	39.06—38.68
3	77 — 79¾	56.50—55.63	89⅞ — 91⅛	52.67—52.32	Sunday	Sunday	156½—158½	38.99—38.68
4	79½ — 79½	55.71—55.71	90¼ — 91⅝	52.56—52.19	Holiday	Holiday	....	....
5	77¼ — 77⅝	56.42—56.30	Sunday	Sunday	135 —149	42.55—40.16	157½—161¼	38.83—38.28
6	74 — 76¼	57.47—56.58	94 — 94	51.55—51.55	148 —161½	40.32—38.24	159¼—161¾	38.57—38.20
7	72¾ — 72⅞	57.89—57.85	93 — 94¾	51.81—51.35	162 —173	38.17—36.63	Sunday	Sunday
8	Sunday	Sunday	93 — 93¼	51.81—51.75	166¾—176½	37.49—36.17	156¾—159½	38.95—38.54
9	69¾ — 71	58.91—58.48	....	....	160 —175	38.46—36.36	152½—155½	39.60—39.14
10	68 — 68½	59.52—59.35	98½ — 98¾	50.38—50.31	Sunday	Sunday	154½—155½	39.29—39.14
11	74¼ — 76¼	57.39—56.74	98¼ — 98½	50.44—50.38	176 —185	36.23—35.09	153⅞—156¾	39.39—38.95
12	73 — 74¼	57.80—57.39	Sunday	Sunday	171 —182	36.90—35.46	155⅛—157½	39.20—38.83
13	70 — 73⅞	58.82—57.51	95¾ — 95¾	51.09—51.09	168¾—173	37.21—36.63	154⅛—156¼	39.35—39.02
14	72 — 72¼	58.14—58.06	95½ — 97½	51.15—50.63	158 —168	38.76—37.31	Sunday	Sunday
15	Sunday	Sunday	97¾ — 97¾	50.57—50.57	144 —156	40.98—39.06	155¾—156⅞	39.10—38.93
16	73½ — 73¾	57.64—57.55	97¼ — 97¼	50.70—50.70	148½—161¼	40.24—38.28	155⅝—156¾	39.12—38.95
17	77 — 78	56.50—56.18	96⅝ — 96⅞	50.86—50.79	Sunday	Sunday	155¾—157	39.10—38.91
18	81 — 81¼	55.25—55.17	95¼ — 95½	51.22—51.15	154¼—161½	39.33—38.24	157 —158	38.91—38.76
19	81½ — 81⅝	55.10—55.06	Sunday	Sunday	158½—168¾	38.68—37.21	157 —157⅞	38.91—38.78
20	81 — 81	55.25—55.25	98 — 98¼	50.51—50.44	161 —163¾	38.31—37.91	156½—157⅛	38.99—38.89
21	81½ — 81½	55.10—55.10	99 —108	50.25—48.08	156½—160	38.99—38.46	Sunday	Sunday
22	Sunday	Sunday	110 —130	47.62—43.48	150½—157¾	39.92—38.80	156⅞—157¼	38.93—38.87
23	82⅛ — 82⅛	54.91—54.91	105 —123	48.78—44.84	153¾—156	39.41—39.06	157⅛—158¼	38.89—38.72
24	82⅜ — 82⅜	54.83—54.83	113 —117	46.95—46.08	Sunday	Sunday	154⅛—157	39.35—38.91
25	84¾ — 84⅞	54.13—54.09	114 —120	46.73—45.45	155⅜—158¾	39.16—38.65	154½—155¾	39.29—39.10
26	83 — 83½	54.64—54.50	Sunday	Sunday	157¾—159½	38.80—38.54	153⅜—156	39.47—39.06
27	86 — 86¼	53.76—53.69	121 —140	45.25—41.67	154 —157¼	39.37—38.87	145 —153	40.82—39.53
28	86 — 86	53.76—53.76	134 —140	42.73—41.67	144 —152	40.98—39.68	Sunday	Sunday
29	Sunday	Sunday	135 —150	42.55—40.00	150 —153½	40.00—39.45	135⅛—145	42.53—40.82
30	86 — 86	53.76—53.76	145 —150	40.82—40.00	153 —158	39.53—38.76	131½—136	43.20—42.37
31	90 — 90	52.63—52.63	....	....	Sunday	Sunday	134 —143	42.73—41.15

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1864.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	143 —148½	41.15—40.24	90 — 93¾	52.63—51.61	130 —141½	43.48—41.41	125¼—129	44.40—43.67
2	148½—154½	40.24—39.29	Sunday	Sunday	129½—146	43.57—40.65	130¼—133¾	43.43—42.78
3	136 —143½	42.37—41.07	89 — 91¾	52.91—52.15	127¼—136¾	44.00—42.24	128¼—131	43.81—43.29
4	Sunday	Sunday	90 — 92¼	52.63—52.02	131⅝—138⅝	43.17—41.91	Sunday	Sunday
5	135 —143½	42.55—41.07	89¼— 91¼	52.84—52.29	135½—144¾	42.46—40.86	127 —129¾	44.05—43.53
6	140½—142	41.58—41.32	92¼— 97	52.02—50.76	Sunday	Sunday	130 —134¾	43.48—42.60
7	140⅞—142¾	41.52—41.19	98 —104	50.51—49.02	138½—145⅞	41.93—40.67	138½—143	41.93—41.15
8	135¾—141	42.42—41.49	96¾—103¼	50.83—49.20	145½—149½	40.73—40.08	139 —142¾	41.84—41.19
9	134⅛—136	42.71—42.37	Sunday	Sunday	146 —160	40.65—38.46	139½—142⅜	41.75—41.26
10	118 —128½	45.87—43.76	96 — 99	51.02—50.25	143 —153	41.15—39.53	134½—139¼	42.64—41.80
11	Sunday	Sunday	98⅜—103⅜	50.41—49.17	136⅞—144½	42.22—40.90	Sunday	Sunday
12	113½—125	46.84—44.44	102¼—104¾	49.94—48.84	142½—145	41.24—40.82	132½—137½	43.01—42.11
13	117½—128	45.98—43.86	103⅞—109¾	49.05—47.68	Sunday	Sunday	133¼—135½	42.87—42.46
14	123½—128	44.74—43.86	108 —117¼	48.08—46.03	143 —146⅝	41.15—40.55	133⅜—135½	42.85—42.46
15	128¼—129½	43.81—43.57	113¼—120	46.89—45.45	128⅝—144	43.74—40.98	134½—137¾	42.64—42.06
16	124⅛—128	44.62—43.86	Sunday	Sunday	128½—140	43.76—41.67	133¾—134¾	42.78—42.60
17	120⅞—123⅝	45.27—44.72	118¼—122½	45.82—44.94	118¼—126¾	45.82—44.10	125⅛—130⅜	44.42—43.41
18	Sunday	Sunday	106¼—115	48.48—46.51	110 —119	47.62—45.66	Sunday	Sunday
19	123⅞—126¾	44.67—44.10	107½—111½	48.19—47.28	116 —125½	46.30—44.35	112¾—117¼	47.00—46.03
20	123 —126¾	44.84—44.10	106¼—111¼	48.48—47.34	Sunday	Sunday	120½—127	45.35—44.05
21	120 —122	45.45—45.05	107⅜—109	48.22—47.85	117½—121½	45.98—45.15	122¼—126	44.99—44.25
22	116 —121¼	46.30—45.20	109½—113½	47.73—46.84	124 —129	44.64—43.67	121 —124½	45.25—44.54
23	111 —117	47.39—46.08	Sunday	Sunday	120½—123½	45.35—44.74	120½—122¾	45.35—44.89
24	100 —112	50.00—47.17	112¼—116⅞	47.11—46.11	Thanksgiving	Thanksgiving	120⅜—122	45.38—45.05
25	Sunday	Sunday	114¾—118¾	46.57—45.71	116¾—121¼	46.14—45.20	Christmas	Christmas
26	95 — 98⅛	51.28—50.47	112⅜—117	47.09—46.08	119½—124⅝	45.56—44.52	Holiday	Holiday
27	92¼— 95	52.02—51.28	114⅞—116⅝	46.54—46.16	Sunday	Sunday	116 —118	46.30—45.87
28	95 —105	51.28—48.78	115⅛—117¾	46.48—45.92	126¼—133¾	44.20—42.78	116¼—124	46.24—44.64
29	94¼—102	51.48—49.50	117¾—121¼	45.92—45.20	132 —136⅛	43.10—42.35	122 —125⅛	45.05—44.42
30	91 — 94⅛	52.36—51.51	Sunday	Sunday	127¼—133	44.00—42.92	126 —129½	44.25—43.57
31	....	....	121½—127¾	45.15—43.91	....	....	124¼—127⅞	44.59—43.88

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1865.

	January		February		March		April	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	102 ½—106	49.38—48.54	99 ½—101	50.12—49.75	51 — 52 ⅞	66.23—65.41
2	Holiday	Holiday	103 ⅝—105 ¾	49.11—48.60	97 — 98 ⅜	50.76—50.41	Sunday	Sunday
3	126 —128 ¼	44.25—43.81	105 ⅜—109 ½	48.69—47.73	98 — 99	50.51—50.25	45 ⅜— 48 ¾	68.79—67.23
4	132 ¼—133 ¾	43.05—42.78	109 —114 ⅛	47.85—46.70	Holiday	Holiday	46 ⅜— 48 ¼	68.32—67.45
5	127 ¼—128 ¼	44.00—43.81	Sunday	Sunday	Sunday	Sunday	48 — 53 ⅝	67.57—65.09
6	127 ¾—129 ⅜	43.91—43.60	112 ½—114	47.06—46.73	98 — 99	50.51—50.25	50 — 52	66.67—65.79
7	126 ⅜—127 ½	44.17—43.96	112 ¾—116 ½	47.00—46.19	97 ¼— 99	50.70—50.25	47 ½— 51 ¼	67.80—66.12
8	Sunday	Sunday	110 ⅝—113 ½	47.48—46.84	96 ½— 97 ½	50.89—50.63	48 ⅜— 50 ¾	67.40—66.34
9	126 ⅛—127 ⅜	44.22—43.98	111 ⅛—113 ¼	47.37—46.89	93 ⅝— 96 ¼	51.65—50.96	Sunday	Sunday
10	122 ½—126	44.94—44.25	110 ⅝—111 ½	47.48—47.28	87 ⅝— 91	53.30—52.36	44 — 45 ⅝	69.44—68.67
11	121 ⅝—123 ¾	45.12—44.69	105 ¼—109	48.72—47.85	89 — 91 ¾	52.91—52.15	46 ⅛— 47	68.43—68.03
12	116 ½—119 ¼	46.19—45.61	Sunday	Sunday	Sunday	Sunday	45 ⅛— 46	68.91—68.49
13	117 ¾—122	45.92—45.05	105 ¼—107	48.72—48.31	85 ⅞— 91	53.79—52.36	46 ⅛— 46 ¾	68.43—68.14
14	118 —120	45.87—45.45	107 ⅛—108 ¾	48.28—47.90	78 — 85	56.18—54.05	President assassinated	
15	Sunday	Sunday	105 ⅛—106 ½	48.75—48.43	74 ⅛— 80	57.43—55.56	Exchange closed	Exchange closed
16	118 ¼—120 ⅞	45.82—45.27	103 —105	49.26—48.78	72 ⅝— 77	57.93—56.50	Sunday	Sunday
17	114 ⅝—117	46.60—46.08	103 ½—104 ⅞	49.14—48.81	62 ½— 68 ½	61.54—59.35	48 ⅜— 53	67.40—65.36
18	115 ¼—116 ⅞	46.46—46.11	104 —105 ¾	49.02—48.60	63 ½— 66	61.16—60.24	46 ½— 47 ⅞	68.26—67.62
19	111 ⅛—114 ¾	47.37—46.57	Sunday	Sunday	Sunday	Sunday	Holiday	Holiday
20	101 ¼—107	49.69—48.31	99 ¼—102 ¼	50.19—49.44	62 ⅝— 67 ¼	61.49—59.79	Holiday	Holiday
21	102 ⅞—106	49.29—48.54	96 ⅝— 99 ⅝	50.86—50.09	55 ¾— 59 ⅜	64.21—62.75	47 ½— 49 ⅞	67.80—66.72
22	Sunday	Sunday	Holiday	Holiday	56 — 58 ¾	64.10—62.99	49 ¼— 50 ⅛	67.00—66.61
23	98 ½—101 ¾	50.38—49.57	98 ¾—102	50.31—49.50	50 ¾— 57	66.34—63.69	Sunday	Sunday
24	98 ⅛—100 ½	50.47—49.88	98 ¾—100 ½	50.31—49.88	48 ¼— 53	67.45—65.36	Holiday	Holiday
25	104 ½—107 ½	48.90—48.19	98 ¼— 99 ⅞	50.44—50.03	53 ¼— 57 ½	65.25—63.49	Holiday	Holiday
26	104 —105 ¾	49.02—48.60	Sunday	Sunday	Sunday	Sunday	50 ½— 52	66.45—65.79
27	109 ⅜—112 ¾	47.76—47.00	99 ¾—101 ⅝	50.06—49.60	53 — 55 ½	65.36—64.31	47 ⅝— 49	67.74—67.11
28	115 ⅜—120	46.43—45.45	101 ½—103 ¼	49.63—49.20	53 ⅞— 54 ⅞	64.99—64.57	46 ⅛— 47 ½	68.43—67.80
29	Sunday	Sunday	....	....	51 — 53 ⅛	66.23—65.31	46 — 46 ⅝	68.49—68.20
30	111 ¼—114 ¾	47.34—46.57	....	....	49 ⅞— 51 ⅝	66.72—65.95	Sunday	Sunday
31	102 ¼—111	49.44—47.39	....	....	51 — 52 ⅛	66.23—65.74	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1865.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	42½ — 45⅜	70.18—68.79	Holiday	Holiday	39⅝ — 41	71.62—70.92	44 — 44⅞	69.44—69.03
2	41⅛ — 42¼	70.86—70.30	37⅜ — 38¾	72.79—72.07	Sunday	Sunday	45 — 45⅜	68.97—68.79
3	41¼ — 41⅞	70.80—70.48	36⅜ — 37	73.33—72.99	Holiday	Holiday	44⅛ — 44¾	69.38—69.08
4	42 — 43½	70.42—69.69	Sunday	Sunday	Holiday	Holiday	43⅜ — 44¼	69.75—69.32
5	42¾ — 43⅞	70.05—69.50	35⅞ — 36½	73.60—73.26	39½ — 40¼	71.68—71.30	43⅜ — 43⅞	69.75—69.50
6	42⅞ — 43⅝	69.99—69.63	36¼ — 37⅛	73.39—72.93	38¾ — 39½	72.07—71.68	Sunday	Sunday
7	Sunday	Sunday	36⅞ — 37½	73.06—72.73	39⅛ — 39¾	71.88—71.56	43½ — 44	69.69—69.44
8	39¾ — 43¼	71.56—69.81	37¾ — 38	72.60—72.46	39⅝ — 40⅛	71.62—71.36	44⅝ — 45⅛	69.14—68.91
9	35¾ — 37⅝	73.66—72.66	37⅛ — 38	72.93—72.46	Sunday	Sunday	43¾ — 44⅜	69.57—69.26
10	31⅛ — 35¾	76.26—73.66	37¼ — 37¾	72.86—72.60	39¼ — 40¼	71.81—71.30	42¾ — 43⅝	70.05—69.63
11	28⅝ — 31⅝	77.75—75.97	Sunday	Sunday	39½ — 40⅛	71.68—71.36	40¼ — 42	71.30—70.42
12	30⅜ — 33⅜	76.70—74.98	38¼ — 40⅞	72.33—70.98	40⅞ — 42	70.98—70.42	40⅞ — 42	70.98—70.42
13	29⅛ — 30¼	77.44—76.78	40¾ — 42¾	71.05—70.05	41⅞ — 42½	70.48—70.18	Sunday	Sunday
14	Sunday	Sunday	40½ — 42⅜	71.17—70.24	42⅝ — 43⅜	70.11—69.75	42¼ — 43⅛	70.30—69.87
15	29¼ — 30¾	77.37—76.48	43½ — 47⅜	69.69—67.85	41⅞ — 42½	70.48—70.18	40⅜ — 41⅜	71.24—70.73
16	30⅛ — 31¾	76.85—75.90	42⅜ — 45½	70.24—68.73	Sunday	Sunday	41⅛ — 42⅛	70.86—70.36
17	29¾ — 30¾	77.07—76.48	43⅞ — 45¼	69.50—68.85	42 — 43	70.42—69.93	41⅝ — 42⅝	70.61—70.11
18	29½ — 30⅝	77.22—76.56	Sunday	Sunday	43 — 43⅜	69.93—69.75	42¼ — 43⅝	70.30—69.63
19	30⅝ — 31¼	76.56—76.19	40½ — 43¾	71.17—69.57	42 — 43⅞	70.42—69.50	43½ — 44¼	69.69—69.32
20	30½ — 31¼	76.63—76.19	37¾ — 39⅝	72.60—71.62	42⅜ — 42¾	70.24—70.05	Sunday	Sunday
21	Sunday	Sunday	40 — 41⅞	71.43—70.48	42⅛ — 42⅝	70.36—70.11	44⅛ — 44⅝	69.38—69.14
22	30¾ — 31¼	76.48—76.19	41⅝ — 43⅛	70.61—69.87	42½ — 42⅞	70.18—69.99	43¼ — 43⅞	69.81—69.50
23	31⅜ — 32⅜	76.12—75.54	40⅛ — 42⅛	71.36—70.36	Sunday	Sunday	43½ — 43⅞	69.69—69.50
24	32½ — 34⅞	75.47—74.14	41⅝ — 42¾	70.61—70.05	42⅝ — 43¼	70.11—69.81	43⅝ — 43⅞	69.63—69.50
25	35¾ — 38¼	73.66—72.33	Sunday	Sunday	43 — 43¾	69.93—69.57	43½ — 44	69.69—69.44
26	35⅞ — 38	73.60—72.46	39½ — 41¾	71.68—70.55	42⅞ — 43⅜	69.99—69.75	44 — 44⅜	69.44—69.26
27	35⅞ — 36⅞	73.60—73.06	41⅜ — 42⅛	70.73—70.36	43⅛ — 44⅜	69.87—69.26	Sunday	Sunday
28	Sunday	Sunday	39⅜ — 41⅝	71.75—70.61	44¾ — 46	69.08—68.49	43⅝ — 44¼	69.63—69.32
29	36 — 37	73.53—72.99	38¼ — 39	72.33—71.94	44½ — 45½	69.20—68.73	44⅛ — 44⅜	69.38—69.26
30	37¼ — 38½	72.86—72.20	39 — 41⅛	71.94—70.86	Sunday	Sunday	43⅞ — 44⅜	69.50—69.26
31	36⅝ — 37½	73.19—72.73	....	....	43⅛ — 43⅝	69.87—69.63	44¼ — 44⅝	69.32—69.14

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1865.

	September		October		November		December	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	44¼—45	69.32—68.97	Sunday	Sunday	45⅞—45⅞	68.55—68.55	47⅞—48¼	67.62—67.45
2	44¼—44⅝	69.32—69.14	44⅛—44¼	69.38—69.32	46—46¾	68.49—68.14	47½—48¼	67.80—67.45
3	Sunday	Sunday	44⅛—44¾	69.38—69.08	46⅝—47	68.20—68.03	Sunday	Sunday
4	43¾—44¼	69.57—69.32	44¾—46⅞	69.08—68.08	46¾—47¼	68.14—67.91	47⅞—48½	67.62—67.34
5	44⅛—44⅝	69.38—69.14	46⅜—47	68.32—68.03	Sunday	Sunday	48⅛—48½	67.51—67.34
6	44½—45	69.20—68.97	46½—49	68.26—67.11	46⅞—47½	68.08—67.80	46¾—48	68.14—67.57
7	44½—44⅞	69.20—69.03	46—46¾	68.49—68.14	46⅞—47⅜	68.08—67.85	Holiday	Holiday
8	44½—44¾	69.20—69.08	Sunday	Sunday	46½—47⅜	68.26—67.85	45¾—46½	68.61—68.26
9	44½—44¾	69.20—69.08	45¾—46¾	68.61—68.14	46⅛—46¾	68.43—68.14	44⅝—45⅛	69.14—68.91
10	Sunday	Sunday	44¾—45⅜	69.08—68.79	46⅜—46¾	68.32—68.14	Sunday	Sunday
11	44½—44⅝	69.20—69.14	44½—45⅛	69.20—68.91	46½—46⅞	68.26—68.08	44⅝—45⅜	69.14—68.79
12	43¾—44¼	69.57—69.32	45—45⅜	68.97—68.79	Sunday	Sunday	44⅝—45¼	69.14—68.85
13	43⅛—43¾	69.87—69.57	44⅝—45	69.14—68.97	46¾—47⅛	68.14—67.97	44⅞—45⅝	69.03—68.67
14	43⅛—43¾	69.87—69.57	44⅝—44⅞	69.14—69.03	46⅞—47¼	68.08—67.91	45¼—46⅛	68.85—68.43
15	42⅝—43¼	70.11—69.81	Sunday	Sunday	47⅛—47⅜	67.97—67.85	46—46⅞	68.49—68.08
16	42¾—43¼	70.05—69.81	45—45¾	68.97—68.61	47—47¼	68.03—67.91	45⅞—46½	68.55—68.26
17	Sunday	Sunday	45¾—46¼	68.61—68.38	46¾—47	68.14—68.03	Sunday	Sunday
18	43½—43⅞	69.69—69.50	46—46⅜	68.49—68.32	46⅞—47	68.08—68.03	46¼—46⅝	68.38—68.20
19	43⅝—44	69.63—69.44	46⅜—47	68.32—68.03	Sunday	Sunday	46⅜—46⅝	68.32—68.20
20	43⅝—43⅞	69.63—69.50	46—46⅜	68.49—68.32	46⅝—47	68.20—68.03	46—46¾	68.49—68.14
21	43⅞—44¼	69.50—69.32	45⅞—46½	68.55—68.26	46⅝—47	68.20—68.03	45¾—46⅛	68.61—68.43
22	43⅝—43⅞	69.63—69.50	Sunday	Sunday	46⅞—47	68.08—68.03	45⅞—46⅜	68.55—68.32
23	43¼—43⅞	69.81—69.50	45⅞—46¼	68.55—68.38	46⅞—47	68.08—68.03	45¾—45¾	68.61—68.61
24	Sunday	Sunday	46—46½	68.49—68.26	46¾—47	68.14—68.03	Sunday	Sunday
25	43—45⅞	69.93—68.55	45⅜—46¼	68.79—68.38	46⅞—47⅛	68.08—67.97	Christmas	Christmas
26	43¾—44	69.57—69.44	44¾—45⅝	69.08—68.67	Sunday	Sunday	45⅛—45½	68.91—68.73
27	43¾—44¼	69.57—69.32	45½—45⅞	68.73—68.55	47⅛—47⅝	67.97—67.74	45⅛—45⅜	68.91—68.79
28	43⅞—44⅛	69.50—69.38	45¼—45⅝	68.85—68.67	47½—48½	67.80—67.34	45⅜—45⅝	68.79—68.67
29	43⅞—44⅛	69.50—69.38	Sunday	Sunday	48—48¾	67.57—67.23	45—45⅝	68.97—68.67
30	44—44¼	69.44—69.32	45½—45¾	68.73—68.61	48—48¼	67.57—67.45	44⅝—45⅛	69.14—68.91
31	....	....	45⅞—46¼	68.55—68.38	....	....	Sunday	Sunday

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1866.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	39½—40½	71.68—71.17	35⅝—36½	73.73—73.26	Sunday	Sunday
2	44¼—44⅝	69.32—69.14	39⅞—40½	71.49—71.17	35¼—36⅛	73.94—73.46	27¼—28½	78.59—77.82
3	43⅜—44½	69.75—69.20	39¾—40⅜	71.56—71.24	33¼—34⅞	75.05—74.14	27⅜—28⅛	78.51—78.05
4	42⅜—43¼	70.24—69.81	Sunday	Sunday	Sunday	Sunday	27½—28¼	78.43—77.97
5	42⅝—43¼	70.11—69.81	39½—40⅛	71.68—71.36	32⅝—34¼	75.40—74.49	27⅝—28	78.35—78.12
6	41½—43	70.67—69.93	39⅛—39¾	71.88—71.56	32¾—33½	75.33—74.91	27½—28⅛	78.43—78.05
7	Sunday	Sunday	39¼—39¾	71.81—71.56	33—33½	75.19—74.91	27—27⅞	78.74—78.20
8	39⅜—41½	71.75—70.67	39¾—40½	71.56—71.17	31½—32½	76.05—75.47	Sunday	Sunday
9	36¾—39⅝	73.13—71.62	39¼—40⅝	71.81—71.11	30½—31⅝	76.63—75.97	26½—27½	79.05—78.43
10	38½—39½	72.20—71.68	38½—39⅛	72.20—71.88	29⅞—31⅜	77.00—76.12	25½—26¼	79.68—79.21
11	38—39⅛	72.46—71.88	Sunday	Sunday	Sunday	Sunday	26⅛—27½	79.29—78.43
12	38¼—39¼	72.33—71.81	38¼—39	72.33—71.94	30⅜—32¾	76.70—75.33	26¾—27⅞	78.90—78.20
13	39—39½	71.94—71.68	38⅝—39	72.14—71.94	29¼—30⅝	77.37—76.56	26⅛—27	79.29—78.74
14	Sunday	Sunday	37¾—38⅝	72.60—72.14	30⅝—31¼	76.56—76.19	25¾—26½	79.52—79.05
15	39⅜—39¾	71.75—71.56	37½—37⅞	72.73—72.53	30¾—31⅝	76.48—75.97	Sunday	Sunday
16	39—39⅞	71.94—71.49	37¼—37½	72.86—72.73	30—31	76.92—76.34	25⅜—26	79.76—79.37
17	39⅝—40¼	71.62—71.30	37⅛—37¼	72.93—72.86	29½—30¾	77.22—76.48	25½—26⅜	79.68—79.13
18	38⅜—40	72.27—71.43	Sunday	Sunday	Sunday	Sunday	26⅜—27⅜	79.13—78.51
19	37⅞—38¾	72.53—72.07	36⅞—37¼	73.06—72.86	27¾—29½	78.28—77.22	27—27⅜	78.74—78.51
20	38¼—39⅛	72.33—71.88	36¾—37¼	73.13—72.86	27½—28⅜	78.43—77.90	26¾—27¼	78.90—78.59
21	Sunday	Sunday	36⅞—37¼	73.06—72.86	28⅛—28¾	78.05—77.67	26½—27	79.05—78.74
22	38⅝—39⅜	72.14—71.75	Holiday	Holiday	27¾—28⅜	78.28—77.90	Sunday	Sunday
23	38¾—39⅝	72.07—71.62	36½—37⅝	73.26—72.66	26⅞—28¼	78.82—77.97	26½—26⅞	79.05—78.82
24	39¼—39⅞	71.81—71.49	35⅞—37	73.60—72.99	25—26⅜	80.00—79.13	26⅝—26⅞	78.97—78.82
25	39¼—39½	71.81—71.68	Sunday	Sunday	Sunday	Sunday	26⅜—27⅛	79.13—78.66
26	39½—40	71.68—71.43	36¾—37¼	73.13—72.86	25⅛—26	79.92—79.37	27⅛—28⅛	78.66—78.05
27	39¼—39¾	71.81—71.56	36⅞—37	73.06—72.99	26¼—28⅜	79.21—77.90	28⅜—29⅜	77.90—77.29
28	Sunday	Sunday	36¾—37	73.13—72.99	27¼—28¾	78.59—77.67	28¼—29½	77.97—77.22
29	39⅞—40¼	71.49—71.30	....	....	27½—28¼	78.43—77.97	Sunday	Sunday
30	40⅜—41⅛	71.24—70.86	....	....	Holiday	Holiday	25⅞—27⅜	79.44—78.51
31	39⅝—41¼	71.62—70.80	....	....	27⅝—28½	78.35—77.82	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1866.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	25⅛— 27	79.92—78.74	Holiday	Holiday	Sunday	Sunday	48½— 49⅛	67.34—67.06
2	26⅜— 28⅜	79.13—77.90	40⅝— 41⅝	71.11—70.61	53⅜— 55¾	65.20—64.21	47⅞— 48¾	67.62—67.23
3	27⅜— 28⅛	78.51—78.05	Sunday	Sunday	52⅝— 53¼	65.52—65.25	47¾— 48⅛	67.68—67.51
4	27⅛— 27⅝	78.66—78.35	40½— 44	71.17—69.44	Holiday	Holiday	46⅞— 48	68.08—67.57
5	27⅛— 27¾	78.66—78.28	43⅞— 46⅝	69.50—68.20	52½— 54	65.57—64.94	Sunday	Sunday
6	Sunday	Sunday	43⅝— 45⅞	69.63—68.55	53¾— 54¾	65.04—64.62	47⅛— 48	67.97—67.57
7	27¾— 28⅞	78.28—77.59	42⅜— 45½	70.24—68.73	53¼— 54½	65.25—64.73	47⅜— 48	67.85—67.57
8	28⅜— 29¼	77.90—77.37	38¾— 41¾	72.07—70.55	Sunday	Sunday	48 — 49	67.57—67.11
9	28⅞— 29¾	77.59—77.07	39⅝— 40	71.62—71.43	51⅜— 53⅛	66.06—65.31	48⅜— 48⅞	67.40—67.17
10	28½— 29⅝	77.82—77.15	Sunday	Sunday	48¼— 49⅞	67.45—66.72	48⅛— 48⅝	67.51—67.28
11	28⅞— 29½	77.59—77.22	37⅝— 39⅞	72.66—71.49	49¼— 50⅝	67.00—66.39	48½— 49	67.34—67.11
12	28¾— 29¼	77.67—77.37	41⅛— 43½	70.86—69.69	49¼— 53	67.00—65.36	Sunday	Sunday
13	Sunday	Sunday	42⅞— 46¼	69.99—68.38	52¼— 53⅝	65.68—65.09	49⅛— 49½	67.06—66.89
14	30¼— 30⅞	76.78—76.41	45⅝— 47⅞	68.67—67.62	52 — 52¾	65.79—65.47	49¼— 50½	67.00—66.45
15	29⅝— 30⅜	77.15—76.70	47⅝— 49⅝	67.74—66.83	Sunday	Sunday	50½— 52¼	66.45—65.68
16	30 — 30¼	76.92—76.78	54⅜— 60	64.78—62.50	48⅝— 49¾	67.28—66.78	51⅜— 52⅛	66.06—65.74
17	29⅝— 30⅛	77.15—76.85	Sunday	Sunday	49 — 51¾	67.11—65.90	50¼— 51¾	66.56—65.90
18	29⅞— 30⅛	77.00—76.85	55¾— 67¾	64.21—59.61	49 — 50½	67.11—66.45	48⅜— 51	67.40—66.23
19	30 — 30⅛	76.92—76.85	49¼— 54¾	67.00—64.62	50 — 50¾	66.67—66.34	Sunday	Sunday
20	Sunday	Sunday	51⅞— 53¾	65.84—65.04	49⅞— 50¾	66.72—66.34	48⅛— 48⅜	67.51—67.40
21	30⅛— 30¼	76.85—76.78	48½— 51¼	67.34—66.12	48⅞— 50¾	67.17—66.34	47⅛— 48¼	67.97—67.45
22	30⅝— 34¼	76.56—74.49	48⅛— 50	67.51—66.67	Sunday	Sunday	47⅜— 49⅞	67.85—66.72
23	33¾— 38⅞	74.77—72.01	51⅜— 53¾	66.06—65.04	50⅜— 51¼	66.50—66.12	49⅜— 51	66.95—66.23
24	37⅜— 39½	72.79—71.68	Sunday	Sunday	50 — 50⅝	66.67—66.39	48 — 50¾	67.57—66.34
25	39 — 41½	71.94—70.67	52 — 54¾	65.79—64.62	49½— 50⅛	66.89—66.61	47 — 48	68.03—67.57
26	38 — 39¾	72.46—71.56	54½— 57	64.73—63.69	49½— 50	66.89—66.67	Sunday	Sunday
27	Sunday	Sunday	54½— 56¼	64.73—64.00	49⅞— 50⅜	66.72—66.50	46½— 48¾	68.26—67.23
28	37 — 37⅞	72.99—72.53	51¼— 54⅛	66.12—64.88	50 — 50⅜	66.67—66.50	48⅜— 49⅜	67.40—66.95
29	37 — 38½	72.99—72.20	53⅝— 55	65.09—64.52	Sunday	Sunday	48⅛— 48⅞	67.51—67.17
30	38 — 38⅞	72.46—72.01	52¾— 54	65.47—64.94	47 — 48⅛	68.03—67.51	47⅜— 48⅛	67.85—67.51
31	38¾— 40½	72.07—71.17	....	....	48⅜— 49¼	67.40—67.00	47¼— 48	67.91—67.57

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1866.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	45½—47⅛	68.73—67.97	45⅝—47⅛	68.67—67.97	46¼—47¾	68.38—67.68	40⅝—41⅝	71.11—70.61
2	Sunday	Sunday	47½—49	67.80—67.11	46¾—47½	68.14—67.80	Sunday	Sunday
3	44¾—45¾	69.08—68.61	47⅛—48¼	67.97—67.45	47½—48½	67.80—67.34	40½—41¾	71.17—70.55
4	45⅝—46¾	68.67—68.14	48⅛—48⅞	67.51—67.17	Sunday	Sunday	40⅜—41½	71.24—70.67
5	46⅛—47⅛	68.43—67.97	48⅝—49¾	67.28—66.78	47⅝—48⅝	67.74—67.28	38⅝—40⅝	72.14—71.11
6	45¾—46¼	68.61—68.38	48⅞—49¾	67.17—66.78	47⅝—48⅜	67.74—67.40	38¾—39¾	72.07—71.56
7	45⅝—46⅜	68.67—68.32	Sunday	Sunday	46⅞—48	68.08—67.57	38¼—39	72.33—71.94
8	46½—47⅛	68.26—67.97	48⅝—49¾	67.28—66.78	46—46⅝	68.49—68.20	37⅜—38½	72.79—72.20
9	Sunday	Sunday	48¼—49⅜	67.45—66.95	46—46⅝	68.49—68.20	Sunday	Sunday
10	46¼—46¾	68.38—68.14	49—51⅜	67.11—66.06	44¾—46⅛	69.08—68.43	37—37¾	72.99—72.60
11	45⅛—46⅛	68.91—68.43	50¾—53⅝	66.34—65.09	Sunday	Sunday	36⅞—37⅞	73.06—72.53
12	45½—46¼	68.73—68.38	50½—53½	66.45—65.15	43¾—44¾	69.57—69.08	37⅝—38½	72.66—72.20
13	45⅝—46⅛	68.67—68.43	52⅜—54⅜	65.63—64.78	44⅜—45⅝	69.26—68.67	37⅛—37⅞	72.93—72.53
14	44⅞—45½	69.03—68.73	Sunday	Sunday	44½—45¼	69.20—68.85	37½—38¼	72.73—72.33
15	44¼—44⅞	69.32—69.03	49¾—53⅜	66.78—65.20	43½—45⅛	69.69—68.91	37⅜—37⅞	72.79—72.53
16	Sunday	Sunday	47—50⅛	68.03—66.61	42⅜—43⅝	70.24—69.63	Sunday	Sunday
17	44⅝—45½	69.14—68.73	47½—48⅞	67.80—67.17	41—42½	70.92—70.18	37¾—38½	72.60—72.20
18	44½—45⅛	69.20—68.91	48—48⅞	67.57—67.17	Sunday	Sunday	37½—38⅜	72.73—72.27
19	45—45½	68.97—68.73	47—49⅛	68.03—67.06	40—41¾	71.43—70.55	36⅝—37⅝	73.19—72.66
20	44¼—45⅛	69.32—68.91	45⅞—47	68.55—68.03	40⅞—41⅝	70.98—70.61	34⅝—36⅝	74.28—73.19
21	43½—44	69.69—69.44	Sunday	Sunday	39⅜—41	71.75—70.92	33⅝—34¾	74.84—74.21
22	43¼—43⅞	69.81—69.50	45½—46⅞	68.73—68.08	37½—38⅞	72.73—72.01	32¾—33¾	75.33—74.77
23	Sunday	Sunday	45⅜—47½	68.79—67.80	38⅛—39½	72.40—71.68	Sunday	Sunday
24	43½—44⅜	69.69—69.26	47—48¼	68.03—67.45	38⅜—39½	72.27—71.68	33—33½	75.19—74.91
25	44¼—44⅝	69.32—69.14	46¼—48	68.38—67.57	Sunday	Sunday	Christmas	Christmas
26	44¼—45⅜	69.32—68.79	47—48⅛	68.03—67.51	38⅝—41⅜	72.14—70.73	31½—33⅛	76.05—75.12
27	44¾—45¼	69.08—68.85	45⅝—46¾	68.67—68.14	40¾—44	71.05—69.44	31¼—32½	76.19—75.47
28	44⅞—45½	69.03—68.73	Sunday	Sunday	40¾—43¼	71.05—69.81	32—33⅜	75.76—74.98
29	45⅝—46½	68.67—68.26	45¾—46¾	68.61—68.14	Thanksgiving	Thanksgiving	32⅞—34⅜	75.26—74.42
30	Sunday	Sunday	46—46⅝	68.49—68.20	40⅝—41⅝	71.11—70.61	Sunday	Sunday
31	....	....	45⅞—46⅝	68.55—68.20	....	....	33—34	75.19—74.63

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1867.

	January		February		March		April	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	35¼—35⅞	73.94—73.60	38½—40⅜	72.20—71.24	33⅝—34¼	74.84—74.49
2	32⅜—33	75.54—75.19	35⅞—36⅝	73.60—73.19	38½—39⅜	72.20—71.75	34⅛—34⅝	74.56—74.28
3	32—35⅛	75.76—74.01	Sunday	Sunday	Sunday	Sunday	33¾—34½	74.77—74.35
4	33½—34⅜	74.91—74.42	36⅜—37¾	73.33—72.60	38⅛—39	72.40—71.94	33¼—33⅞	75.05—74.70
5	33⅛—34¾	75.12—74.21	36⅞—38⅜	73.06—72.27	36⅞—38⅜	73.06—72.27	32¾—33⅝	75.33—74.84
6	Sunday	Sunday	36½—37⅞	73.26—72.53	35¼—36½	73.94—73.26	32⅝—33⅛	75.40—75.12
7	33⅝—35⅝	74.84—73.73	37⅜—39	72.79—71.94	33⅜—35	74.98—74.07	Sunday	Sunday
8	33¾—34½	74.77—74.35	37½—38¼	72.73—72.33	33½—34¾	74.91—74.21	33⅛—36	75.12—73.53
9	33⅝—34⅞	74.84—74.14	36⅞—37½	73.06—72.73	34—35⅛	74.63—74.01	34½—36	74.35—73.53
10	32¾—33¾	75.33—74.77	Sunday	Sunday	Sunday	Sunday	34⅞—38	74.14—72.46
11	32½—34¼	75.47—74.49	36⅛—36¾	73.46—73.13	34¾—35½	74.21—73.80	36¼—37⅝	73.39—72.66
12	33⅝—34⅛	74.84—74.56	36⅜—37⅜	73.33—72.79	33⅝—34⅝	74.84—74.28	36⅜—37½	73.33—72.73
13	Sunday	Sunday	36¾—37½	73.13—72.73	33½—34¾	74.91—74.21	35½—36	73.80—73.53
14	34¼—35	74.49—74.07	36¾—37½	73.13—72.73	34⅜—34¾	74.42—74.21	Sunday	Sunday
15	34¾—35¼	74.21—73.94	36⅜—36⅞	73.33—73.06	33⅞—34½	74.70—74.35	34½—35⅜	74.35—73.87
16	35¼—37	73.94—72.99	36½—37	73.26—72.99	34—34½	74.63—74.35	34—34⅝	74.63—74.28
17	35½—37	73.80—72.99	Sunday	Sunday	Sunday	Sunday	34⅝—35⅞	74.28—73.60
18	36⅜—37⅞	73.33—72.53	36⅜—36¾	73.33—73.13	34—34⅝	74.63—74.28	35¼—37⅞	73.94—72.53
19	36—37	73.53—72.99	36½—37	73.26—72.99	33¾—34⅛	74.77—74.56	Holiday	Holiday
20	Sunday	Sunday	36⅝—37½	73.19—72.73	34⅛—34½	74.56—74.35	37¾—39⅛	72.60—71.88
21	36½—37	73.26—72.99	37½—38⅜	72.73—72.27	34⅜—34⅞	74.42—74.14	Sunday	Sunday
22	35⅜—36¾	73.87—73.13	Holiday	Holiday	34¼—34⅞	74.49—74.14	37½—38⅞	72.73—72.01
23	34⅜—35¼	74.42—73.94	38¼—38¾	72.33—72.07	34⅛—34½	74.56—74.35	38—38¾	72.46—72.07
24	34⅛—34⅞	74.56—74.14	Sunday	Sunday	Sunday	Sunday	38½—42	72.20—70.42
25	33⅞—34⅞	74.70—74.14	37⅝—38⅝	72.66—72.14	33¾—34¼	74.77—74.49	39¼—41¾	71.81—70.55
26	34⅜—34¾	74.42—74.21	38¼—39⅜	72.33—71.75	33⅞—34⅛	74.70—74.56	38—39¾	72.46—71.56
27	Sunday	Sunday	39⅛—40½	71.88—71.17	34⅛—34½	74.56—74.35	36⅜—37⅛	73.33—72.93
28	34—34¾	74.63—74.21	39⅝—40¼	71.62—71.30	34¼—34½	74.49—74.35	Sunday	Sunday
29	34—34⅝	74.63—74.28	....	....	34⅛—34½	74.56—74.35	34½—36¼	74.35—73.39
30	34⅜—36⅜	74.42—73.33	....	....	33⅞—34⅛	74.70—74.56	35—36⅝	74.07—73.19
31	34¾—35¾	74.21—73.66	....	....	Sunday	Sunday	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1867.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	34⅞— 36⅛	74.14—73.46	36⅜— 36⅝	73.33—73.19	38 — 38¼	72.46—72.33	39⅞— 40⅛	71.49—71.36
2	35⅛— 35¾	74.01—73.66	Sunday	Sunday	38 — 38¼	72.46—72.33	39⅞— 40⅜	71.49—71.24
3	35¾— 36½	73.66—73.26	36⅜— 37⅛	73.33—72.93	38⅜— 38¾	72.27—72.07	40⅛— 40½	71.36—71.17
4	35⅞— 36¾	73.60—73.13	36¾— 37⅜	73.13—72.79	Holiday	Holiday	Sunday	Sunday
5	Sunday	Sunday	36½— 36⅞	73.26—73.06	38¾— 39⅜	72.07—71.75	40 — 40½	71.43—71.17
6	35¾— 37¾	73.66—72.60	36⅝— 36¾	73.19—73.13	38¾— 39⅛	72.07—71.88	40 — 40⅜	71.43—71.24
7	37¼— 38⅝	72.86—72.14	36½— 36⅞	73.26—73.06	Sunday	Sunday	40 — 40⅜	71.43—71.24
8	37¾— 38½	72.60—72.20	36¾— 37	73.13—72.99	38½— 39⅛	72.20—71.88	40⅛— 40½	71.36—71.17
9	36¾— 38¼	73.13—72.33	Sunday	Sunday	38⅜— 38⅞	72.27—72.01	40 — 40¼	71.43—71.30
10	36⅞— 37⅝	73.06—72.66	36⅞— 37¼	73.06—72.86	38⅝— 38¾	72.14—72.07	40 — 40¼	71.43—71.30
11	35⅝— 36⅝	73.73—73.19	37⅛— 37⅜	72.93—72.79	38½— 39⅛	72.20—71.88	Sunday	Sunday
12	Sunday	Sunday	37⅛— 37⅜	72.93—72.79	39 — 39¼	71.94—71.81	40⅛— 40¾	71.36—71.05
13	35¼— 35¾	73.94—73.66	37 — 37¼	72.99—72.86	39 — 39⅜	71.94—71.75	40⅝— 41	71.11—70.92
14	35½— 37⅛	73.80—72.93	37 — 37¼	72.99—72.86	Sunday	Sunday	40⅜— 40⅝	71.24—71.11
15	36½— 37¼	73.26—72.86	37 — 37¼—	72.99—72.86	39⅛— 39⅝	71.88—71.62	40⅜— 40⅝	71.24—71.11
16	37 — 37⅝	72.99—72.66	Sunday	Sunday	39¾— 40½	71.56—71.17	40½— 40¾	71.17—71.05
17	36⅝— 37¼	73.19—72.86	37¼— 37⅝	72.86—72.66	39⅝— 40⅝	71.62—71.11	40⅝— 40⅞	71.11—70.98
18	36¾— 37¼	73.13—72.86	37⅝— 38	72.66—72.46	39½— 40	71.68—71.43	Sunday	Sunday
19	Sunday	Sunday	37⅞— 38⅜	72.53—72.27	39⅝— 40⅛	71.62—71.36	41 — 41¾	70.92—70.55
20	36⅝— 37¼	73.19—72.86	37⅝— 38	72.66—72.46	39¼— 39¾	71.81—71.56	41⅛— 41¾	70.86—70.55
21	37 — 37¾	72.99—72.60	37⅝— 38⅛	72.66—72.40	Sunday	Sunday	40¾— 41⅛	71.05—70.86
22	37⅞— 38⅞	72.53—72.01	38 — 38⅛	72.46—72.40	39¾— 40⅛	71.56—71.36	40¾— 41¼	71.05—70.80
23	38⅛— 38⅞	72.40—72.01	Sunday	Sunday	39¾— 40	71.56—71.43	40⅝— 41¼	71.11—70.80
24	37½— 38⅝	72.73—72.14	38 — 38¼	72.46—72.33	39⅜— 39¾	71.75—71.56	40½— 41	71.17—70.92
25	36⅝— 37½	73.19—72.73	38¼— 38¾	72.33—72.07	39¼— 39¾	71.81—71.56	Sunday	Sunday
26	Sunday	Sunday	38 — 38¾	72.46—72.07	39½— 39¾	71.68—71.56	40½— 41⅛	71.17—70.86
27	36½— 37¼	73.26—72.86	37¾— 38⅛	72.60—72.40	39¾— 40⅜	71.56—71.24	41 — 41½	70.92—70.67
28	36¾— 37⅛	73.13—72.93	37¾— 38¼	72.60—72.33	Sunday	Sunday	41⅝— 42⅜	70.61—70.24
29	37 — 38	72.99—72.46	38⅛— 38½	72.40—72.20	40 — 40¾	71.43—71.05	41⅝— 42	70.61—70.42
30	37¼— 37⅞	72.86—72.53	Sunday	Sunday	40 — 40⅜	71.43—71.24	41¾— 42¼	70.55—70.30
31	36¾— 37¼	73.13—72.86	....	....	39¾— 40⅛	71.56—71.36	41½— 41¾	70.67—70.55

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1867.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	43¼ — 43½	69.81—69.69	40½ — 41⅛	71.17—70.86	Sunday	Sunday
2	41 — 41⅜	70.92—70.73	43½ — 44⅛	69.69—69.38	40¾ — 41½	71.05—70.67	36½ — 37⅜	73.26—72.79
3	41 — 41½	70.92—70.67	44⅜ — 45⅝	69.26—68.67	Sunday	Sunday	36⅝ — 37½	73.19—72.73
4	41½ — 42⅛	70.67—70.36	44½ — 45¼	69.20—68.85	39¾ — 41⅜	71.75—70.73	37 — 37¾	72.99—72.60
5	42 — 42½	70.42—70.18	44⅝ — 45	69.14—68.97	39½ — 40⅜	71.68—71.24	36⅞ — 37⅜	73.06—72.79
6	42¼ — 42¾	70.30—70.05	Sunday	Sunday	38⅝ — 39¼	72.14—71.81	37½ — 37⅞	72.73—72.53
7	42¼ — 42¾	70.30—70.05	44⅞ — 45¼	69.03—68.85	38½ — 39⅛	72.20—71.88	36⅝ — 37⅜	73.19—72.79
8	Sunday	Sunday	44¾ — 45⅛	69.08—68.91	38¾ — 39⅛	72.07—71.88	Sunday	Sunday
9	42¾ — 44¼	70.05—69.32	43 — 44¾	69.93—69.08	38½ — 39¼	72.20—71.81	36½ — 37⅛	73.26—72.93
10	43½ — 44¼	69.69—69.32	43⅛ — 44	69.87—69.44	Sunday	Sunday	35½ — 36½	73.80—73.26
11	44⅛ — 45⅝	69.38—68.67	43⅝ — 43⅞	69.63—69.50	38¾ — 39	72.07—71.94	34⅝ — 35½	74.28—73.80
12	45⅝ — 46⅜	68.67—68.32	44⅛ — 44⅝	69.38—69.14	39 — 39⅜	71.94—71.75	33 — 34¾	75.19—74.21
13	44⅝ — 46	69.14—68.49	Sunday	Sunday	39½ — 40¼	71.68—71.30	33⅛ — 34	75.12—74.63
14	44⅛ — 44¾	69.38—69.08	43¾ — 44⅞	69.57—69.03	39⅞ — 40⅞	71.49—70.98	33¼ — 34⅛	75.05—74.56
15	Sunday	Sunday	43½ — 44⅜	69.69—69.26	40½ — 41⅛	71.17—70.86	Sunday	Sunday
16	44 — 44⅝	69.44—69.14	43 — 43¾	69.93—69.57	39¾ — 40⅛	71.56—71.36	33⅝ — 34⅝	74.84—74.28
17	44⅛ — 44⅝	69.38—69.14	43 — 44½	69.93—69.20	Sunday	Sunday	33¾ — 35	74.77—74.07
18	44½ — 45½	69.20—68.73	44 — 44¾	69.44—69.08	39⅜ — 40¼	71.75—71.30	33½ — 34¼	74.91—74.49
19	44 — 45½	69.44—68.73	43¾ — 44⅛	69.57—69.38	39½ — 39⅞	71.68—71.49	33½ — 34⅛	74.91—74.56
20	42¾ — 43⅞	70.05—69.50	Sunday	Sunday	39⅝ — 40	71.62—71.43	33¾ — 34¼	74.77—74.49
21	42½ — 43¼	70.18—69.81	43⅝ — 44	69.63—69.44	39⅛ — 39⅞	71.88—71.49	33¼ — 33⅝	75.05—74.84
22	Sunday	Sunday	43⅛ — 43⅝	69.87—69.63	38⅞ — 39½	72.01—71.68	Sunday	Sunday
23	42⅞ — 43⅝	69.99—69.63	43⅜ — 43⅝	69.75—69.63	39¼ — 40⅛	71.81—71.36	33 — 33¼	75.19—75.05
24	42¼ — 43	70.30—69.93	42⅝ — 43⅜	70.11—69.75	Sunday	Sunday	33⅜ — 33⅞	74.98—74.70
25	43¼ — 44	69.81—69.44	41⅝ — 42⅝	70.61—70.11	39¾ — 40⅞	71.56—70.98	Christmas	Christmas
26	43 — 43¾	69.93—69.57	41⅜ — 42¼	70.73—70.30	39¼ — 40	71.81—71.43	33¾ — 34¼	74.77—74.49
27	43¼ — 43⅝	69.81—69.63	Sunday	Sunday	39¼ — 39¾	71.81—71.56	33¾ — 34⅛	74.77—74.56
28	43 — 43½	69.93—69.69	42 — 42¾	70.42—70.05	Thanksgiving	Thanksgiving	33⅜ — 33¾	74.98—74.77
29	Sunday	Sunday	41⅞ — 42¼	70.48—70.30	38⅞ — 39¼	72.01—71.81	Sunday	Sunday
30	43 — 43½	69.93—69.69	40⅝ — 41⅜	71.11—70.73	37⅞ — 38¾	72.53—72.07	33½ — 34	74.91—74.63
31	....	....	40¼ — 40¾	71.30—71.05	....	....	33½ — 33¾	74.91—74.77

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1868.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	40½— 40⅞	71.17—70.98	Sunday	Sunday	38⅛— 38¾	72.40—72.07
2	33¼— 33⅝	75.05—74.84	Sunday	Sunday	40⅞— 41⅜	70.98—70.73	37¾— 38⅛	72.60—72.40
3	33½— 34	74.91—74.63	40⅞— 41½	70.98—70.67	40⅞— 41⅜	70.98—70.73	37¾— 38⅛	72.60—72.40
4	33⅞— 34½	74.70—74.35	41⅛— 41¾	70.86—70.55	40¾— 41¼	71.05—70.80	38⅛— 38½	72.40—72.20
5	Sunday	Sunday	40⅞— 41½	70.98—70.67	41 — 41¼	70.92—70.80	Sunday	Sunday
6	34¾— 35½	74.21—73.80	41½— 42	70.67—70.42	41⅛— 41⅜	70.86—70.73	37¾— 38¼	72.60—72.33
7	35½— 37½	73.80—72.73	41¾— 42½	70.55—70.18	40⅝— 41⅛	71.11—70.86	37¾— 38⅜	72.60—72.27
8	36⅛— 37⅜	73.46—72.79	42 — 42½	70.42—70.18	Sunday	Sunday	38⅛— 38⅜	72.40—72.27
9	35¾— 36⅝	73.66—73.19	Sunday	Sunday	39⅝— 40⅞	71.62—70.98	38½— 38¾	72.20—72.07
10	37 — 37⅞	72.99—72.53	42¾— 43⅜	70.05—69.75	39¾— 40⅜	71.56—71.24	Holiday	Holiday
11	37⅝— 38½	72.66—72.20	41⅞— 42⅝	70.48—70.11	39¼— 39¾	71.81—71.56	38⅛— 38½	72.40—72.20
12	Sunday	Sunday	41¼— 41¾	70.80—70.55	39½— 40⅛	71.68—71.36	Sunday	Sunday
13	38½— 40⅛	72.20—71.36	40⅜— 41¾	71.24—70.55	39⅜— 40	71.75—71.43	38⅛— 39	72.40—71.94
14	40⅞— 42¼	70.98—70.30	39⅝— 40⅜	71.62—71.24	38⅞— 39⅜	72.01—71.75	38½— 38⅞	72.20—72.01
15	38½— 40⅜	72.20—71.24	40⅜— 41⅛	71.24—70.86	Sunday	Sunday	38⅛— 38⅝	72.40—72.14
16	39⅛— 40½	71.88—71.17	Sunday	Sunday	39¼— 39⅞	71.81—71.49	38 — 38¼	72.46—72.33
17	38⅜— 39⅛	72.27—71.88	40⅞— 41⅝	70.98—70.61	39 — 39⅝	71.94—71.62	38⅛— 38⅝	72.40—72.14
18	38⅛— 38¾	72.40—72.07	40⅝— 41¼	71.11—70.80	38⅛— 38⅞	72.40—72.01	38½— 38¾	72.20—72.07
19	Sunday	Sunday	40¼— 40⅞	71.30—70.98	38¼— 38¾	72.33—72.07	Sunday	Sunday
20	38⅞— 39¾	72.01—71.56	40 — 40½	71.43—71.17	38¼— 38¾	72.33—72.07	38⅝— 39	72.14—71.94
21	38¾— 39½	72.07—71.68	40½— 41⅝	71.17—70.61	38⅝— 39⅜	72.14—71.75	38¾— 39½	72.07—71.68
22	39 — 39½	71.94—71.68	Holiday	Holiday	Sunday	Sunday	39⅜— 40⅛	71.75—71.36
23	39⅜— 40½	71.75—71.17	Sunday	Sunday	38⅝— 39½	72.14—71.68	39⅞— 40⅜	71.49—71.24
24	40 — 40¾	71.43—71.05	42¼— 44	70.30—69.44	37⅞— 38⅜	72.53—72.27	39⅛— 40	71.88—71.43
25	39¾— 40⅛	71.56—71.36	42 — 42½	70.42—70.18	38¼— 38¾	72.33—72.07	38¾— 39⅛	72.07—71.88
26	Sunday	Sunday	41 — 41⅝	70.92—70.61	38¼— 38¼	72.33—72.33	Sunday	Sunday
27	40⅜— 41½	71.24—70.67	40⅝— 41½	71.11—70.67	38⅛— 38⅝	72.40—72.14	38¾— 39¼	72.07—71.81
28	41 — 41⅞	70.92—70.48	41⅛— 41½	70.86—70.67	38⅜— 38⅝	72.27—72.14	39 — 39½	71.94—71.68
29	40⅝— 41¼	71.11—70.80	41¼— 41⅞	70.80—70.48	Sunday	Sunday	39 — 39⅝	71.94—71.62
30	40½— 41	71.17—70.92	....	....	38¾— 39⅛	72.07—71.88	39 — 39½	71.94—71.68
31	40⅛— 40¾	71.36—71.05	....	....	38⅜— 38¾	72.27—72.07	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1868.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	39¼—39½	71.81—71.68	39¾—39⅞	71.56—71.49	40⅛—40⅜	71.36—71.24	44¾—45⅜	69.08—68.79
2	39⅜—39⅝	71.75—71.62	39⅝—40⅛	71.62—71.36	40⅜—40½	71.24—71.17	Sunday	Sunday
3	Sunday	Sunday	39⅞—40¼	71.49—71.30	40¼—40½	71.30—71.17	45 —45⅝	68.97—68.67
4	39⅛—39½	71.88—71.68	40 —40⅛	71.43—71.36	Holiday	Holiday	45⅝—46⅝	68.67—68.20
5	39⅛—39⅜	71.88—71.75	39¾—40	71.56—71.43	Sunday	Sunday	47 —48¼	68.03—67.45
6	39⅛—39½	71.88—71.68	39½—39¾	71.68—71.56	40½—40¾	71.17—71.05	48½—50	67.34—66.67
7	39½—39¾	71.68—71.56	Sunday	Sunday	40½—41	71.17—70.92	47⅜—48½	67.85—67.34
8	39½—39⅞	71.68—71.49	39½—39¾	71.68—71.56	40⅝—41	71.11—70.92	46¾—47⅞	68.14—67.62
9	39⅝—40¼	71.62—71.30	39⅜—39⅞	71.75—71.49	40⅝—40⅝	71.11—71.11	Sunday	Sunday
10	Sunday	Sunday	39¾—39⅞	71.56—71.49	40⅝—40⅞	71.11—70.98	46½—47⅜	68.26—67.85
11	39¾—40½	71.56—71.17	39⅞—40	71.49—71.43	40⅞—41¼	70.98—70.80	45⅝—46⅜	68.67—68.32
12	39⅜—39¾	71.75—71.56	39⅞—40⅛	71.49—71.36	Sunday	Sunday	46¼—46⅞	68.38—68.08
13	39⅝—39⅞	71.62—71.49	39⅞—40	71.49—71.43	41¼—41⅞	70.80—70.48	47⅛—47¾	67.97—67.68
14	39¾—40¼	71.56—71.30	Sunday	Sunday	41⅝—42⅛	70.61—70.36	46¾—48	68.14—67.57
15	39⅝—39⅞	71.62—71.49	40 —40¼	71.43—71.30	41⅞—42⅝	70.48—70.11	46⅜—46⅞	68.32—68.08
16	39⅜—39⅞	71.75—71.49	40⅜—40⅝	71.24—71.11	42¼—42⅞	70.30—69.99	Sunday	Sunday
17	Sunday	Sunday	40⅜—41¼	71.24—70.80	42⅝—43⅜	70.11—69.75	46¼—47¼	68.38—67.91
18	39¼—39½	71.81—71.68	40 —40⅜	71.43—71.24	43¼—44	69.81—69.44	45⅞—46⅝	68.55—68.20
19	39⅜—39¾	71.75—71.56	40¼—40¾	71.30—71.05	Sunday	Sunday	44⅞—45½	69.03—68.73
20	39⅝—39⅞	71.62—71.49	40⅛—40⅜	71.36—71.24	43 —43⅝	69.93—69.63	43½—44⅞	69.69—69.03
21	39¾—39⅞	71.56—71.49	Sunday	Sunday	42⅝—43¼	70.11—69.81	43⅞—44¾	69.50—69.08
22	39¾—40	71.56—71.43	40⅛—40⅜	71.36—71.24	43 —43⅝	69.93—69.63	43⅞—44½	69.50—69.20
23	39⅝—39⅞	71.62—71.49	40 —40⅝	71.43—71.11	43⅛—43⅜	69.87—69.75	Sunday	Sunday
24	Sunday	Sunday	40¼—40⅝	71.30—71.11	43 —43½	69.93—69.69	44⅝—45½	69.14—68.73
25	39⅞—40	71.49—71.43	40⅛—40½	71.36—71.17	43⅛—43⅜	69.87—69.75	44½—46	69.20—68.49
26	39⅞—40⅛	71.49—71.36	40 —40⅜	71.43—71.24	Sunday	Sunday	44 —45	69.44—68.97
27	39⅝—40⅛	71.62—71.36	40 —40⅜	71.43—71.24	43½—44¼	69.69—69.32	44⅜—45¼	69.26—68.85
28	39⅝—39⅞	71.62—71.49	Sunday	Sunday	43¾—44½	69.57—69.20	44⅝—45¼	69.14—68.85
29	39⅛—39½	71.88—71.68	40 —40¼	71.43—71.30	44 —44½	69.44—69.20	44¾—45	69.08—68.97
30	39½—39¾	71.68—71.56	40⅛—40⅜	71.36—71.24	44⅝—45¼	69.14—68.85	Sunday	Sunday
31	Sunday	Sunday	....	....	44⅝—45¼	69.14—68.85	44½—45	69.20—68.97

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1868.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	44⅝—45	69.14—68.97	39½—40⅛	71.68—71.36	Sunday	Sunday	35—35¼	74.07—73.94
2	44¾—45⅛	69.08—68.91	39⅛—40⅛	71.88—71.36	33—33⅝	75.19—74.84	34⅞—35¼	74.14—73.94
3	43⅞—44⅝	69.50—69.14	39⅝—40½	71.62—71.17	33¼—33⅞	75.05—74.70	34⅞—35¼	74.14—73.94
4	43¾—44¼	69.57—69.32	Sunday	Sunday	33—33¾	75.19—74.77	35¼—35¾	73.94—73.66
5	44¼—44¾	69.32—69.08	39⅞—40⅜	71.49—71.24	32⅜—32¾	75.54—75.33	35½—36¾	73.80—73.13
6	Sunday	Sunday	39¾—40¼	71.56—71.30	32⅛—33⅛	75.69—75.12	Sunday	Sunday
7	44⅝—45	69.14—68.97	39⅞—40¼	71.49—71.30	33¾—34½	74.77—74.35	35⅝—36¼	73.73—73.39
8	44⅛—44½	69.38—69.20	38⅞—39½	72.01—71.68	Sunday	Sunday	35½—36¼	73.80—73.39
9	44⅛—44½	69.38—69.20	38¾—39⅛	72.07—71.88	34⅛—34¾	74.56—74.21	35⅜—35¾	73.87—73.66
10	44⅜—44⅝	69.26—69.14	38⅛—38⅞	72.40—72.01	34⅜—35¾	74.42—73.66	35¾—36⅛	73.66—73.46
11	43⅞—44¼	69.50—69.32	Sunday	Sunday	33¾—34⅜	74.77—74.42	35⅝—36¼	73.73—73.39
12	44—44⅜	69.44—69.26	37¼—38⅛	72.86—72.33	33⅝—34½	74.84—74.35	35½—35¾	73.80—73.66
13	Sunday	Sunday	37⅜—38	72.79—72.46	33⅜—33⅞	74.98—74.70	Sunday	Sunday
14	43⅝—44⅛	69.63—69.38	36¾—37⅞	73.13—72.53	34¼—35	74.49—74.07	35⅛—35⅝	74.01—73.73
15	43¾—44⅛	69.57—69.38	37⅝—38½	72.66—72.20	Sunday	Sunday	35⅛—35⅜	74.01—73.87
16	44⅛—44⅞	69.38—69.03	37¼—37⅝	72.86—72.66	35½—37	73.80—72.99	35⅛—35⅝	74.01—73.73
17	44⅜—44⅞	69.26—69.03	36½—37½	73.26—72.73	34¼—36⅝	74.49—73.19	34⅜—34⅞	74.42—74.14
18	44⅜—44¾	69.26—69.08	Sunday	Sunday	33⅞—35¼	74.70—73.94	34½—35½	74.35—73.80
19	44⅛—44⅝	69.38—69.14	36⅝—37⅜	73.19—72.79	34½—35	74.35—74.07	35—35¾	74.07—73.66
20	Sunday	Sunday	36⅞—37⅜	73.06—72.79	34¼—35	74.49—74.07	Sunday	Sunday
21	43¾—44⅛	69.57—69.38	36½—36⅞	73.26—73.06	34⅜—34¾	74.42—74.21	34⅞—35⅝	74.14—73.60
22	42⅝—43½	70.11—69.69	35¼—35⅞	73.94—73.60	Sunday	Sunday	34⅞—35½	74.14—73.80
23	42¾—43⅛	70.05—69.87	35—36	74.07—73.53	34—34¾	74.63—74.21	34¾—35	74.21—74.07
24	41⅛—42⅜	70.86—70.24	34⅜—35⅛	74.42—74.01	34½—34⅞	74.35—74.14	34½—35	74.35—74.07
25	41⅝—42½	70.61—70.18	Sunday	Sunday	34½—35½	74.35—73.80	Christmas	Christmas
26	41⅞—42½	70.48—70.18	33¾—34⅝	74.77—74.28	Thanksgiving	Thanksgiving	34¾—35	74.21—74.07
27	Sunday	Sunday	34⅛—34⅞	74.56—74.14	35—35⅞	74.07—73.60	Sunday	Sunday
28	41⅛—42¼	70.86—70.30	33⅞—34⅜	74.70—74.42	34¾—35⅜	74.21—73.87	34¾—35	74.21—74.07
29	41⅛—41¾	70.86—70.55	34⅛—34⅝	74.56—74.28	Sunday	Sunday	34¾—35	74.21—74.07
30	41⅛—41⅜	70.86—70.73	34—34½	74.63—74.35	35⅛—35¾	74.01—73.66	34⅝—34⅞	74.28—74.14
31	....	....	33¾—34	74,77—74,63	....	....	34⅝—35	74,28—74,07

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1869.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	35⅝— 36¼	73.73—73.39	31 — 32⅛	76.34—75.69	31⅜— 31¾	76.12—75.90
2	34¾— 35½	74.21—73.80	35⅜— 35¾	73.87—73.66	31¾— 32½	75.90—75.47	31½— 32	76.05—75.76
3	Sunday	Sunday	35½— 35¾	73.80—73.66	31⅝— 32½	75.97—75.47	31¼— 31½	76.19—76.05
4	35 — 35½	74.07—73.80	35⅛— 35⅝	74.01—73.73	31½— 32	76.05—75.76	Sunday	Sunday
5	34⅝— 35⅛	74.28—74.01	35 — 35¼	74.07—73.94	31 — 31⅝	76.34—75.97	31⅜— 31¾	76.12—75.90
6	34⅞— 35⅛	74.14—74.01	35 — 35¼	74.07—73.94	30¼— 31½	76.78—76.05	31½— 31⅞	76.05—75.83
7	35⅛— 35⅜	74.01—73.87	Sunday	Sunday	Sunday	Sunday	31⅝— 31⅞	75.97—75.83
8	34¾— 35⅛	74.21—74.01	35⅛— 35½	74.01—73.80	31¼— 32	76.19—75.76	31⅝— 32¼	75.97—75.61
9	35⅛— 35⅜	74.01—73.87	34⅞— 35¼	74.14—73.94	30¾— 31½	76.48—76.05	32⅛— 33¼	75.69—75.05
10	Sunday	Sunday	34¾— 35⅛	74.21—74.01	31½— 32	76.05—75.76	32⅝— 33¾	75.40—74.77
11	35⅛— 35¾	74.01—73.66	35 — 35⅜	74.07—73.87	31⅜— 31⅞	76.12—75.83	Sunday	Sunday
12	35¼— 35½	73.94—73.80	35 — 35⅜	74.07—73.87	31 — 31⅜	76.34—76.12	32⅞— 33⅝	75.26—74.84
13	35½— 35⅞	73.80—73.60	34⅞— 35¼	74.14—73.94	31⅛— 31⅜	76.26—76.12	32⅜— 32⅞	75.54—75.26
14	36⅛— 36½	73.46—73.26	Sunday	Sunday	Sunday	Sunday	32⅜— 33⅛	75.54—75.12
15	36¼— 36½	73.39—73.26	35 — 35¼	74.07—73.94	30⅞— 31⅝	76.41—75.97	32½— 32¾	75.47—75.33
16	36⅛— 36⅜	73.46—73.33	35 — 35⅛	74.07—74.01	31⅜— 31¾	76.12—75.90	32⅝— 33⅜	75.40—74.98
17	Sunday	Sunday	34⅞— 35¼	74.14—73.94	31⅝— 31⅞	75.97—75.83	33 — 33½	75.19—74.91
18	35⅞— 36⅛	73.60—73.46	34¼— 34⅞	74.49—74.14	30¾— 31¼	76.48—76.19	Sunday	Sunday
19	35⅜— 35¾	73.87—73.66	33⅜— 34	74.98—74.63	30½— 31⅜	76.63—76.12	33½— 33⅞	74.91—74.70
20	35¼— 35½	73.94—73.80	33¼— 33¾	75.05—74.77	30¾— 31⅛	76.48—76.26	33⅞— 34⅝	74.70—74.28
21	35⅝— 35⅞	73.73—73.60	Sunday	Sunday	Sunday	Sunday	34¼— 34⅝	74.49—74.28
22	35⅜— 35⅞	73.87—73.60	Holiday	Holiday	31 — 31⅜	76.34—76.12	34 — 34¾	74.63—74.21
23	35⅞— 36¼	73.60—73.39	32½— 33⅛	75.47—75.12	31 — 31¼	76.34—76.19	33¼— 33¾	75.05—74.77
24	Sunday	Sunday	32¼— 32⅞	75.61—75.26	31¼— 31½	76.19—76.05	33¼— 33½	75.05—74.91
25	36¼— 36⅝	73.39—73.19	32⅝— 33¼	75.40—75.05	31 — 31¼	76.34—76.19	Sunday	Sunday
26	36¼— 36⅞	73.39—73.06	31⅞— 32½	75.83—75.47	Holiday	Holiday	33⅜— 33⅝	74.98—74.84
27	36¼— 36⅝	73.39—73.19	30⅞— 31⅞	76.41—75.83	31 — 31¼	76.34—76.19	33½— 34	74.91—74.63
28	36⅜— 36⅝	73.33—73.19	Sunday	Sunday	Sunday	Sunday	33½— 34	74.91—74.63
29	36⅜— 36⅝	73.33—73.19	....	....	31⅛— 31½	76.26—76.05	33⅝— 34⅜	74.84—74.42
30	36⅛— 36¼	73.46—73.39	....	....	31⅜— 31⅝	76.12—75.97	34 — 34½	74.63—74.91
31	Sunday	Sunday	....	....	31¼— 31⅝	76.19—75.97	....	....

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1869.

	May		June		July		August	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	34⅝— 35	74.28—74.07	38⅜— 39¼	72.27—71.81	37⅛— 37¾	72.93—72.60	Sunday	Sunday
2	Sunday	Sunday	38⅜— 39⅝	72.27—71.62	36⅞— 37⅜	73.06—72.79	36⅛— 36⅝	73.46—73.19
3	35 — 36⅛	74.07—73.46	38 — 38½	72.46—72.20	36¾— 37¼	73.13—72.86	35⅝— 36⅛	73.73—73.46
4	35¾— 36¼	73.66—73.39	37¾— 38½	72.60—72.20	Sunday	Sunday	35⅝— 36	73.73—73.53
5	35½— 35⅞	73.80—73.60	38⅜— 38⅞	72.27—72.01	Holiday	Holiday	35⅞— 36½	73.60—73.26
6	35⅞— 36⅜	73.60—73.33	Sunday	Sunday	35⅝— 37	73.73—72.99	36 — 36½	73.53—73.26
7	36½— 37⅞	73.26—72.53	38½— 39	72.20—71.94	34 — 35¼	74.63—73.94	36⅛— 36⅜	73.46—73.33
8	37⅝— 39	72.66—71.94	38⅜— 39	72.27—71.94	35⅛— 36	74.01—73.53	Sunday	Sunday
9	Sunday	Sunday	38⅞— 39¼	72.01—71.81	35⅝— 36⅜	73.73—73.33	36 — 36⅜	73.53—73.33
10	37 — 37⅞	72.99—72.53	38½— 39⅜	72.20—71.75	35⅝— 36	73.73—73.53	35½— 35⅞	73.80—73.60
11	37¾— 38¾	72.60—72.07	38⅞— 39⅝	72.01—71.62	Sunday	Sunday	35⅛— 35½	74.01—73.80
12	38¼— 38⅝	72.33—72.14	39⅛— 39½	71.88—71.68	36¼— 36⅞	73.39—73.06	34 — 35⅛	74.63—74.01
13	37⅞— 38⅝	72.53—72.14	Sunday	Sunday	36⅞— 37⅞	73.06—72.53	34⅛— 34¾	74.56—74.21
14	38½— 38⅞	72.20—72.01	39⅛— 39⅝	71.88—71.62	36⅞— 37⅜	73.06—72.79	33⅞— 34⅜	74.70—74.42
15	39⅛— 39⅞	71.88—71.49	37⅞— 38⅞	72.53—72.01	36¾— 37⅛	73.13—72.93	Sunday	Sunday
16	Sunday	Sunday	37⅜— 38	72.79—72.46	36 — 36⅞	73.53—73.06	33⅝— 34⅛	74.84—74.56
17	40⅞— 42	70.98—70.42	37¾— 38¼	72.60—72.33	35¼— 35⅞	73.94—73.60	32⅞— 33⅝	75.26—74.84
18	41⅜— 42½	70.73—70.18	37 — 38	72.99—72.46	Sunday	Sunday	32¾— 33⅜	75.33—74.98
19	41¾— 43⅜	70.55—69.75	36⅜— 37	73.33—72.99	35⅝— 36¼	73.73—73.39	32¾— 33⅜	75.33—74.98
20	43⅝— 44⅞	69.63—69.03	Sunday	Sunday	35 — 35⅝	74.07—73.73	32⅝— 33	75.40—75.19
21	41⅝— 43⅛	70.61—69.87	36½— 37½	73.26—72.73	34⅞— 35½	74.14—73.80	31¼— 32⅛	76.19—75.69
22	40½— 41¾	71.17—70.55	37⅜— 38¼	72.79—72.33	35⅛— 35½	74.01—73.80	Sunday	Sunday
23	Sunday	Sunday	37 — 37½	72.99—72.73	35¼— 35¾	73.94—73.66	31½— 32½	76.05—75.47
24	41½— 42½	70.67—70.18	36⅝— 37⅛	73.19—72.93	35⅝— 36½	73.73—73.26	32⅜— 32⅞	75.54—75.26
25	40¾— 41¼	71.05—70.80	37 — 37½	72.99—72.73	Sunday	Sunday	32⅞— 33¾	75.26—74.77
26	39¼— 40⅞	71.81—70.98	37⅜— 37⅝	72.79—72.66	36⅜— 37½	73.33—72.73	33 — 34	75.19—74.63
27	38⅞— 39½	72.01—71.68	Sunday	Sunday	36½— 37⅝	73.26—72.66	32⅜— 34¼	75.54—74.49
28	39¼— 39¾	71.81—71.56	37¼— 37¾	72.86—72.60	36⅛— 36¾	73.46—73.13	33⅝— 34½	74.84—74.35
29	39⅝— 40¼	71.62—71.30	37¼— 37½	72.86—72.73	35⅝— 36⅜	73.73—73.33	Sunday	Sunday
30	Sunday	Sunday	36⅞— 37¼	73.06—72.86	36⅛— 36¾	73.46—73.13	33⅜— 34⅛	74.98—74.56
31	38⅜— 39	72.27—71.94	....	....	36⅛— 36½	73.46—73.26	33½— 33⅞	74.91—74.70

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1869.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	33⅛— 33⅝	75.12—74.84	30 — 30⅝	76.92—76.56	28 — 28⅜	78.12—77.90	21½— 22⅛	82.30—81.88
2	33⅛— 34¼	75.12—74.49	30 — 30½	76.92—76.63	27¼— 28	78.59—78.12	22⅛— 22⅝	81.88—81.55
3	35¼— 36	73.94—73.53	Sunday	Sunday	27⅛— 27⅝	78.66—78.35	22⅛— 22⅜	81.88—81.72
4	35½— 37⅜	73.80—72.79	29 — 30	77.52—76.92	26⅜— 27¼	79.13—78.59	22⅜— 23⅛	81.72—81.22
5	Sunday	Sunday	28⅞— 30¾	77.59—76.48	26¼— 27¼	79.21—78.59	Sunday	Sunday
6	36¼— 37¾	73.39—72.60	29⅞— 30¾	77.00—76.48	26½— 27⅜	79.05—78.51	22¾— 23⅝	81.47—80.89
7	36⅛— 37	73.46—72.99	31⅛— 32	76.26—75.76	Sunday	Sunday	22¾— 23⅜	81.47—81.05
8	34½— 36⅛	74.35—73.46	30⅝— 31⅝	76.56—75.97	26⅝— 26⅞	78.97—78.82	23½— 24	80.97—80.65
9	34¾— 35⅞	74.21—73.60	30½— 30⅞	76.63—76.41	26¾— 27⅜	78.90—78.51	23½— 23⅞	80.97—80.73
10	35 — 35¼	74.07—73.94	Sunday	Sunday	26⅞— 27⅛	78.82—78.66	22⅞— 23¼	81.38—81.14
11	35¼— 35⅞	73.94—73.60	30¼— 30⅞	76.78—76.41	26½— 27	79.05—78.74	23 — 23⅜	81.30—81.05
12	Sunday	Sunday	30⅛— 30⅜	76.85—76.70	26⅝— 26⅞	78.97—78.82	Sunday	Sunday
13	35½— 35⅞	73.80—73.60	30⅛— 30¼	76.85—76.78	26¾— 27	78.90—78.74	22⅜— 23	81.72—81.30
14	35¾— 36½	73.66—73.26	30 — 30⅛	76.92—76.85	Sunday	Sunday	22⅛— 22⅜	81.88—81.72
15	35⅞— 36½	73.60—73.26	30 — 30⅛	76.92—76.85	26⅝— 27¼	78.97—78.59	21½— 21⅞	82.30—82.05
16	36¼— 36½	73.39—73.26	30 — 30⅛	76.92—76.85	27⅛— 27¼	78.66—78.59	21½— 22⅛	82.30—81.88
17	36¼— 36¾	73.39—73.13	Sunday	Sunday	26⅞— 27⅛	78.82—78.66	20⅛— 22	83.25—81.97
18	36½— 36¾	73.26—73.13	30 — 30⅜	76.92—76.70	Thanksgiving	Thanksgiving	20¼— 20⅞	83.16—82.73
19	Sunday	Sunday	30 — 30⅛	76.92—76.85	26½— 26¾	79.05—78.90	Sunday	Sunday
20	36¾— 37⅜	73.13—72.79	30 — 30⅛	76.92—76.85	26⅜— 26⅝	79.13—78.97	20⅜— 21¼	83.07—82.47
21	37½— 37¾	72.73—72.60	30⅛— 31⅛	76.85—76.26	Sunday	Sunday	19¾— 20¼	83.51—83.16
22	37⅜— 40⅝	72.79—71.11	30⅞— 31¾	76.41—75.90	26¼— 26½	79.21—79.05	20⅛— 20⅞	83.25—82.73
23	41 — 44¼	70.92—69.32	30⅞— 31½	76.41—76.05	26½— 26⅞	79.05—78.82	20½— 21	82.99—82.64
24	33 — 62½	75.19—61.54	Sunday	Sunday	26 — 26⅝	79.37—78.97	20⅝— 20¾	82.90—82.82
25	Adjournment	Adjournment	30⅞— 31¼	76.41—76.19	24⅞— 25¾	80.08—79.52	Christmas	Christmas
26	(Sunday)	(Sunday)	30⅛— 30¼	76.85—76.78	24⅜— 24⅞	80.40—80.08	Sunday	Sunday
27	following	following	30 — 30⅛	76.92—76.85	24¼— 25⅛	80.48—79.92	20⅛— 20⅝	83.25—82.90
28	"Black	"Black	28¾— 29½	77.67—77.22	Sunday	Sunday	20⅛— 20⅜	83.25—83.07
29	Friday"	Friday"	28⅛— 28⅞	78.05—77.59	21½— 23	82.30—81.30	19¾— 20	83.51—83.33
30	30⅝— 32	76.56—75.76	28⅝— 29¼	77.75—77.37	21⅛— 23⅛	82.56—81.22	19½— 20⅛	83.68—83.25
31	....	....	Sunday	Sunday	....	....	19⅝— 20⅜	83.59—83.07

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1870.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	21⅛— 21⅜	82.56—82.39	15 — 16	86.96—86.21	11½— 11⅞	89.69—89.39
2	Sunday	Sunday	21¼— 21½	82.47—82.30	15¾— 16⅜	86.39—85.93	11½— 11¾	89.69—89.49
3	19⅝— 20¼	83.59—83.16	20¾— 21⅜	82.82—82.39	15⅛— 15⅝	86.86—86.49	Sunday	Sunday
4	19⅜— 19⅝	83.77—83.59	20⅜— 20¾	83.07—82.82	13⅛— 14	88.40—87.72	11½— 11⅞	89.69—89.39
5	19⅝— 20	83.59—83.33	20½— 21	82.99—82.64	13½— 14	88.11—87.72	11⅞— 12⅛	89.39—89.19
6	20⅛— 20¾	83.25—82.82	Sunday	Sunday	Sunday	Sunday	11¾— 12⅛	89.49—89.19
7	21⅛— 21⅞	82.56—82.05	20½— 21⅛	82.99—82.56	12½— 13¼	88.89—88.30	11⅞— 12⅛	89.39—89.19
8	21⅞— 23	82.05—81.30	20½— 21	82.99—82.64	10⅞— 12½	90.19—88.89	12⅛— 12⅜	89.19—88.99
9	Sunday	Sunday	20½— 20¾	82.99—82.82	10¼— 11½	90.70—89.69	12⅜— 13⅛	88.99—88.40
10	21⅞— 23¼	82.05—81.14	20⅜— 20¾	83.07—82.82	10½— 11¼	90.50—89.89	Sunday	Sunday
11	21¾— 22½	82.14—81.63	19¾— 20¼	83.51—83.16	12⅜— 13⅞	88.99—87.82	13⅝— 14⅛	88.01—87.62
12	22 — 22½	81.97—81.63	19⅞— 20⅛	83.42—83.25	11¾— 12¾	89.49—88.69	12⅝— 13⅜	88.79—88.20
13	21⅛— 21⅝	82.56—82.22	Sunday	Sunday	Sunday	Sunday	12¼— 12¾	89.09—88.69
14	21½— 21⅞	82.30—82.05	19½— 19⅞	83.68—83.42	11⅝— 13⅜	89.59—88.20	12½— 13	88.89—88.50
15	21¼— 21⅝	82.47—82.22	19½— 20	83.68—83.33	11⅝— 12⅜	89.59—88.99	Holiday	Holiday
16	Sunday	Sunday	19⅝— 20	83.59—83.33	11¾— 12¼	89.49—89.09	13¼— 13¾	88.30—87.91
17	21⅜— 21⅝	82.39—82.22	19⅜— 19¾	83.77—83.51	12 — 12¾	89.29—88.69	Sunday	Sunday
18	21⅝— 21⅞	82.22—82.05	19 — 19⅜	84.03—83.77	11⅞— 12¼	89.39—89.09	13¼— 13¾	88.30—87.91
19	21½— 21⅝	82.30—82.22	18⅞— 19¼	84.12—83.88	12 — 12⅝	89.29—88.79	13¼— 13¾	88.30—87.91
20	21 — 21½	82.64—82.30	Sunday	Sunday	Sunday	Sunday	13¼— 13⅝	88.30—88.01
21	20½— 21	82.99—82.64	18¾— 19¼	84.21—83.88	12¼— 12¾	89.09—88.69	12⅞— 13½	88.59—88.11
22	20¼— 20⅞	83.16—82.73	Holiday	Holiday	12¼— 12½	89.09—88.89	12¾— 13⅝	88.69—88.01
23	Sunday	Sunday	17¾— 18¾	84.93—84.21	12¼— 12¾	89.09—88.69	13⅛— 13½	88.40—88.11
24	20⅞— 21⅝	82.73—82.22	16¼— 17⅝	86.02—85.02	12¼— 12⅝	89.09—88.79	Sunday	Sunday
25	21 — 21⅛	82.64—82.56	16⅛— 17¼	86.11—85.29	11¾— 12⅜	89.49—88.99	13½— 13⅞	88.11—87.82
26	21½— 22	82.30—81.97	15¾— 17¼	86.39—85.29	11⅜— 11¾	89.79—89.49	13¼— 13¾	88.30—87.91
27	21½— 22⅛	82.30—81.88	Sunday	Sunday	Sunday	Sunday	13⅞— 14¾	87.82—87.15
28	21⅜— 21¾	82.39—82.14	15 — 16⅝	86.96—85.74	11⅝— 11¾	89.59—89.49	14⅝— 15½	87.24—86.58
29	21¼— 21½	82.47—82.30	....	....	11⅝— 12	89.59—89.29	14¾— 15⅝	87.15—86.49
30	Sunday	Sunday	....	....	11⅞— 12¼	89.39—89.09	14½— 15¼	87.34—86.77
31	21⅛— 21⅜	82.56—82.39	....	....	11⅞— 12⅛	89.39—89.19	....	....

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1870.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	14¼— 14⅝	87.53—87.24	12⅜— 12½	89.19—88.89	20⅞— 21⅝	82.73—82.22
2	14⅞— 15½	87.05—86.58	14½— 14¾	87.34—87.15	11¾— 12¼	89.49—89.09	21⅝— 22	82.22—81.97
3	14½— 15	87.34—86.96	14⅜— 14⅝	87.43—87.24	Sunday	Sunday	21¼— 21⅝	82.47—82.22
4	14⅜— 14⅞	87.43—87.05	14¼— 14½	87.53—87.34	Holiday	Holiday	21⅝— 22	82.22—81.97
5	14⅜— 14⅝	87.43—87.24	Sunday	Sunday	11⅜— 11⅞	89.79—89.39	21⅛— 21½	82.56—82.30
6	14⅝— 14⅞	87.24—87.05	13⅞— 14⅜	87.82—87.43	11⅛— 11¾	89.99—89.49	20¾— 21⅜	82.82—82.39
7	14¾— 15⅛	87.15—86.86	13½— 14	88.11—87.72	11¼— 12⅛	89.89—89.19	Sunday	Sunday
8	Sunday	Sunday	13⅛— 13½	88.40—88.11	11¾— 12¼	89.49—89.09	18⅝— 19⅝	84.30—83.59
9	14½— 14⅞	87.34—87.05	13⅜— 13¾	88.20—87.91	12 — 12¾	89.29—88.69	17⅞— 18⅝	84.84—84.30
10	14⅝— 15	87.24—86.96	13⅜— 13⅝	88.20—88.01	Sunday	Sunday	16¾— 18	85.65—84.75
11	14⅞— 15¼	87.05—86.77	13¼— 13⅜	88.30—88.20	13⅛— 15⅛	88.40—86.86	15⅞— 17⅜	86.30—85.20
12	15 — 15½	86.96—86.58	Sunday	Sunday	13 — 14⅛	88.50—87.62	17⅛— 18	85.38—84.75
13	14¾— 15⅛	87.15—86.86	12¾— 13⅛	88.69—88.40	12 — 12¾	89.29—88.69	17½— 17⅞	85.11—84.84
14	14⅝— 14⅞	87.24—87.05	12¾— 13	88.69—88.50	12¾— 13⅞	88.69—87.82	Sunday	Sunday
15	Sunday	Sunday	12¾— 13⅜	88.69—88.20	14 — 15½	87.72—86.58	16½— 17¾	85.84—84.93
16	14⅜— 14¾	87.43—87.15	13⅛— 13⅜	88.40—88.20	16⅛— 16¾	86.11—85.65	16¾— 17¼	85.65—85.29
17	14¾— 15	87.15—86.96	12¾— 13⅛	88.69—88.40	Sunday	Sunday	17¼— 17¾	85.29—84.93
18	14¾— 15	87.15—86.96	12¾— 13⅛	88.69—88.40	17¾— 22¾	84.93—81.47	16¾— 17⅛	85.65—85.38
19	14½— 14⅞	87.34—87.05	Sunday	Sunday	20⅝— 22½	82.90—81.63	16 — 16¼	86.21—86.02
20	14½— 14¾	87.34—87.15	12⅝— 12⅞	88.79—88.59	21⅝— 22⅝	82.22—81.55	14¾— 15¾	87.15—86.39
21	14⅝— 14⅞	87.24—87.05	12¾— 12⅞	88.69—88.59	20½— 21⅞	82.99—82.05	Sunday	Sunday
22	Sunday	Sunday	12⅝— 12⅞	88.79—88.59	18⅜— 20⅛	84.48—83.25	15⅛— 15¾	86.86—86.39
23	13⅞— 14⅜	87.82—87.43	11⅜— 11⅞	89.79—89.39	19⅜— 20½	83.77—82.99	15¾— 16½	86.39—85.84
24	13¾— 14¼	87.91—87.53	11¼— 11¾	89.89—89.49	Sunday	Sunday	16⅜— 17¾	85.93—84.93
25	14¼— 14⅝	87.53—87.24	11 — 11¼	90.09—89.89	20½— 21¼	82.99—82.47	16⅝— 18	85.74—84.75
26	14⅛— 14¾	87.62—87.15	Sunday	Sunday	20⅞— 21⅝	82.73—82.22	16½— 16⅞	85.84—85.56
27	14⅝— 15⅛	87.24—86.86	10⅞— 11½	90.19—89.69	21 — 22	82.64—81.97	16⅜— 16⅞	85.93—85.56
28	14½— 14⅞	87.34—87.05	10⅞— 11½	90.19—89.69	21⅝— 22	82.22—81.97	Sunday	Sunday
29	Sunday	Sunday	11¼— 11⅝	89.89—89.59	20⅝— 21¾	82.90—82.14	16⅛— 16⅝	86.11—85.74
30	14⅜— 14½	87.43—87.34	11½— 11⅞	89.69—89.39	20⅛— 21	83.25—82.64	16 — 16½	86.21—85.84
31	14¼— 14⅝	87.53—87.24	....	....	Sunday	Sunday	16⅛— 17⅛	86.11—85.38

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1870.

	September		October		November		December	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	16⅜— 16¾	85.93—85.65	13¾— 14	87.91—87.72	11⅛— 11½	89.99—89.69	10½— 10¾	90.50—90.29
2	16⅜— 16⅝	85.93—85.74	Sunday	Sunday	10⅞— 11¼	90.19—89.89	10⅝— 11⅛	90.44—89.99
3	14 — 15⅝	87.72—86.49	13⅝— 13⅞	88.01—87.82	10½— 10⅞	90.50—90.19	11 — 11⅜	90.09—89.79
4	Sunday	Sunday	13 — 13⅜	88.50—88.20	10 — 10½	90.91—90.50	Sunday	Sunday
5	13¼— 14⅝	88.30—87.24	13 — 13¼	88.50—88.30	10¼— 10½	90.70—90.50	10⅞— 11¼	90.19—89.89
6	14½— 15	87.34—86.96	12⅞— 13	88.59—88.50	Sunday	Sunday	10⅝— 10⅞	90.40—90.19
7	14⅛— 14⅝	87.62—87.24	13 — 13¼	88.50—88.30	10½— 10⅞	90.50—90.19	10⅝— 10⅞	90.40—90.19
8	13⅝— 14⅛	88.01—87.62	13⅛— 13½	88.40—88.11	10½— 10¾	90.50—90.29	10⅝— 10¾	90.40—90.29
9	13⅝— 14¼	88.01—87.53	Sunday	Sunday	10⅜— 10⅝	90.60—90.40	10¾— 10⅞	90.29—90.19
10	13¾— 14⅛	87.91—87.62	13½— 13¾	88.11—87.91	10⅜— 10¾	90.60—90.29	10¾— 11	90.29—90.09
11	Sunday	Sunday	13⅛— 13½	88.40—88.11	10¾— 11⅛	90.29—89.99	Sunday	Sunday
12	13⅝— 13⅞	88.01—87.82	13¼— 13¾	88.30—87.91	11 — 11⅝	90.09—89.59	10½— 10¾	90.50—90.29
13	13⅝— 14	88.01—87.72	13⅝— 14¼	88.01—87.53	Sunday	Sunday	10½— 10⅝	90.50—90.40
14	14 — 14⅜	87.72—87.43	13¼— 13¾	88.30—87.91	11¾— 12¾	89.49—88.69	10⅝— 11⅛	90.40—89.99
15	13⅞— 14⅜	87.82—87.43	13 — 13⅜	88.50—88.20	10⅞— 11½	90.19—89.69	11 — 11¼	90.09—89.89
16	14 — 14⅛	87.72—87.62	Sunday	Sunday	11¾— 12½	89.49—88.89	10⅝— 10⅞	90.40—90.19
17	13⅞— 14⅛	87.82—87.62	13 — 13¼	88.50—88.30	12¼— 13½	89.09—88.11	10½— 10⅞	90.50—90.19
18	Sunday	Sunday	12½— 13⅛	88.89—88.40	12½— 13¼	88.89—88.30	Sunday	Sunday
19	13⅝— 14	88.01—87.72	12⅝— 12⅞	88.79—88.59	12⅛— 12¾	89.19—88.69	10⅝— 10¾	90.40—90.29
20	13¾— 13⅞	87.91—87.82	12⅞— 13¼	88.59—88.30	Sunday	Sunday	10⅝— 10¾	90.40—90.29
21	13⅝— 13⅞	88.01—87.82	12½— 12⅞	88.89—88.59	11½— 11¾	89.69—89.49	10⅝— 10¾	90.40—90.29
22	13¾— 13⅞	87.91—87.82	12⅝— 13	88.79—88.50	11⅝— 12	89.59—89.29	10½— 10¾	90.50—90.29
23	13 — 13¾	88.50—87.91	Sunday	Sunday	11⅝— 12⅛	89.59—89.19	10½— 10⅝	90.50—90.40
24	12¾— 13⅛	88.69—88.40	11⅞— 12½	89.39—88.89	Thanksgiving	Thanksgiving	10½— 10⅝	90.50—90.40
25	Sunday	Sunday	11½— 11⅞	89.69—89.39	11¾— 12⅛	89.49—89.19	Sunday	Sunday
26	13⅛— 13½	88.40—88.11	11¾— 12⅛	89.49—89.19	11¾— 12	89.49—89.29	Holiday	Holiday
27	13¼— 13¾	88.30—87.91	11⅞— 12⅛	89.39—89.19	Sunday	Sunday	10⅝— 10⅞	90.40—90.19
28	13⅜— 14	88.20—87.72	11¼— 11⅝	89.89—89.59	11¼— 11½	89.89—89.69	10¾— 11	90.29—90.09
29	13⅝— 14	88.01—87.72	11⅜— 11⅝	89.79—89.59	11 — 11¾	90.09—89.49	10⅝— 10¾	90.40—90.29
30	Holiday	Holiday	Sunday	Sunday	10¾— 11⅛	90.29—89.99	10⅝— 10⅞	90.40—90.19
31	....	....	11⅛— 11½	89.99—89.69	....	....	10¾— 10⅞	90.29—90.19

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1871.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	11⅛— 11⅜	89.99—89.79	10¾— 11⅛	90.29—89.99	10⅜— 10½	90.60—90.50
2	Holiday	Holiday	11½— 11⅞	89.69—89.39	10¾— 11	90.29—90.09	Sunday	Sunday
3	10⅝— 10⅞	90.40—90.19	11⅜— 11¾	89.79—89.49	10⅞— 11¼	90.19—89.89	10½— 10¾	90.50—90.29
4	10½— 10¾	90.50—90.29	11⅜— 11⅞	89.79—89.39	10⅞— 11⅛	90.19—89.99	10½— 10¾	90.50—90.29
5	10½— 10⅝	90.50—90.40	Sunday	Sunday	Sunday	Sunday	10½— 10⅝	90.50—90.40
6	10½— 10¾	90.50—90.29	11⅞— 12¼	89.39—89.09	10⅞— 11	90.19—90.09	10¼— 10½	90.70—90.50
7	10⅝— 10⅞	90.40—90.19	11⅝— 12	89.59—89.29	11 — 11¼	90.09—89.89	Holiday	Holiday
8	Sunday	Sunday	11⅝— 11¾	89.59—89.49	11⅛— 11½	89.99—89.69	10⅛— 10⅜	90.81—90.60
9	10⅝— 10⅞	90.40—90.19	11⅝— 11¾	89.59—89.49	11¼— 11⅝	89.89—89.59	Sunday	Sunday
10	10⅞— 11⅛	90.19—89.99	11¾— 11⅞	89.49—89.39	11⅛— 11⅜	89.99—89.79	10⅛— 10⅜	90.81—90.60
11	10⅞— 11⅛	90.19—89.99	11½— 11⅞	89.69—89.39	11⅛— 11¼	89.99—89.89	10¼— 10⅜	90.70—90.60
12	10¾— 11	90.29—90.09	Sunday	Sunday	Sunday	Sunday	10¼— 10⅝	90.70—90.40
13	10⅞— 11	90.19—90.09	11¼— 11½	89.89—89.69	11¼— 11⅜	89.89—89.79	10⅛— 10⅜	90.81—90.60
14	10⅝— 10¾	90.40—90.29	11 — 11½	90.09—89.69	11⅛— 11⅜	89.99—89.79	10⅛— 10¾	90.81—90.29
15	Sunday	Sunday	10¾— 11¼	90.29—89.89	11⅜— 11½	89.79—89.69	10⅝— 10⅞	90.40—90.19
16	10½— 10¾	90.50—90.29	11⅛— 11⅜	89.99—89.79	11⅜— 11½	89.79—89.69	Sunday	Sunday
17	10½— 10¾	90.50—90.29	11 — 11⅜	90.09—89.79	11⅛— 11½	89.99—89.69	10⅝— 10⅞	90.40—90.19
18	10½— 10¾	90.50—90.29	11¼— 11½	89.89—89.69	11 — 11⅛	90.09—89.99	10⅞— 11⅜	90.19—89.79
19	10½— 10¾	90.50—90.29	Sunday	Sunday	Sunday	Sunday	11⅛— 11½	89.99—89.69
20	10⅝— 10¾	90.40—90.29	11¼— 11½	89.89—89.69	10⅞— 11⅛	90.19—89.99	11 — 11¾	90.09—89.49
21	10⅝— 10¾	90.40—90.29	11⅜— 11½	89.79—89.69	11 — 11¼	90.09—89.89	10⅞— 11⅜	90.19—89.79
22	Sunday	Sunday	Holiday	Holiday	10⅞— 11⅛	90.19—89.99	10⅞— 11	90.19—90.09
23	10½— 10⅝	90.50—90.40	11¼— 11⅜	89.89—89.79	10⅞— 11⅛	90.19—89.99	Sunday	Sunday
24	10⅝— 10¾	90.40—90.29	11¼— 11⅜	89.89—89.79	10¾— 11	90.29—90.09	10½— 10¾	90.50—90.29
25	10⅝— 10⅝	90.40—90.40	11½— 11⅝	89.69—89.59	10¾— 10⅞	90.29—90.19	10¾— 11	90.29—90.09
26	10½— 10¾	90.50—90.29	Sunday	Sunday	Sunday	Sunday	10⅝— 10⅞	90.40—90.19
27	10⅝— 10¾	90.40—90.29	11 — 11½	90.09—89.69	10½— 10¾	90.50—90.29	10⅝— 11⅛	90.40—89.99
28	10½— 10⅝	90.50—90.40	10¾— 11⅛	90.29—89.99	10⅛— 10½	90.81—90.50	10⅞— 11¼	90.19—89.89
29	Sunday	Sunday	....	....	10⅛— 10⅜	90.81—90.60	11⅛— 11¼	89.99—89.89
30	10⅝— 11⅛	90.40—89.99	....	....	10⅛— 10⅜	90.81—90.60	Sunday	Sunday
31	11 — 11¼	90.09—89.89	....	....	10⅛— 10½	90.81—90.50	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1871.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	11⅛— 11½	89.99—89.69	11¾— 12⅛	89.49—89.19	13⅛— 13¼	88.40—88.30	12⅛— 12¼	89.19—89.09
2	11⅛— 11⅜	89.99—89.79	12⅛— 12⅜	89.19—88.99	Sunday	Sunday	12⅛— 12¼	89.19—89.09
3	11 — 11¼	90.09—89.89	11⅞— 12¼	89.39—89.09	Holiday	Holiday	12 — 12¼	89.29—89.09
4	11 — 11⅛	90.09—89.99	Sunday	Sunday	Holiday	Holiday	12⅛— 12¼	89.19—89.09
5	11⅛— 11¼	89.99—89.89	11⅞— 12⅛	89.39—89.19	13⅜— 13¾	88.20—87.91	12⅛— 12¼	89.19—89.09
6	11 — 11¼	90.09—89.89	12⅛— 12⅜	89.19—88.99	13⅛— 13½	88.40—88.11	Sunday	Sunday
7	Sunday	Sunday	12 — 12⅜	89.29—88.99	13⅛— 13⅜	88.40—88.20	12¼— 12⅜	89.09—88.99
8	11 — 11¼	90.09—89.89	12⅛— 12½	89.19—88.89	13⅛— 13¼	88.40—88.30	12¼— 12⅜	89.09—88.99
9	11⅛— 11¼	89.99—89.89	12⅛— 12¼	89.19—89.09	Sunday	Sunday	11¾— 12⅛	89.49—89.19
10	11⅛— 11¼	89.99—89.89	12⅛— 12⅜	89.19—88.99	12⅝— 12⅞	88.79—88.59	11⅝— 12	89.59—89.29
11	11⅛— 11⅜	89.99—89.79	Sunday	Sunday	12¼— 12⅝	89.09—88.79	12 — 12⅜	89.29—88.99
12	11⅛— 11⅜	89.99—89.79	12⅜— 12¾	88.99—88.69	12½— 12¾	88.89—88.69	12¼— 12½	89.09—88.89
13	11⅜— 11½	89.79—89.69	12⅛— 12⅜	89.19—88.99	12⅛— 12⅜	89.19—88.99	Sunday	Sunday
14	Sunday	Sunday	12 — 12⅜	89.29—88.99	12 — 12¼	89.29—89.09	12⅜— 12½	88.99—88.89
15	11⅜— 11⅝	89.79—89.59	12¼— 12⅝	89.09—88.79	12⅛— 12⅜	89.19—88.99	12⅜— 12⅝	88.99—88.79
16	11⅝— 11¾	89.59—89.49	12¼— 12½	89.09—88.89	Sunday	Sunday	12¼— 12⅝	89.09—88.79
17	11¾— 11⅞	89.49—89.39	12⅜— 12½	88.99—88.89	12¼— 12⅝	89.09—88.79	12⅜— 12⅝	88.99—88.79
18	11¾— 12⅛	89.49—89.19	Sunday	Sunday	12⅜— 12½	88.99—88.89	12¾— 13⅛	88.69—88.40
19	11¾— 12¼	89.49—89.09	12⅜— 12⅝	88.99—88.79	12¼— 12½	89.09—88.89	12⅝— 12⅞	88.79—88.59
20	11¾— 12	89.49—89.29	12⅜— 12½	88.99—88.89	12⅜— 12⅝	88.99—88.79	Sunday	Sunday
21	Sunday	Sunday	12¼— 12½	89.09—88.89	12 — 12¼	89.29—89.09	12⅜— 12⅞	88.99—88.59
22	11⅝— 12	89.59—89.29	12⅛— 12½	89.19—88.89	11¾— 12	89.49—89.29	12⅜— 12¾	88.99—88.69
23	11½— 11¾	89.69—89.49	12⅜— 12½	88.99—88.89	Sunday	Sunday	12¼— 12⅝	89.09—88.79
24	11⅜— 11⅝	89.79—89.59	12½— 12⅝	88.89—88.79	11¾— 12	89.49—89.29	12½— 12⅞	88.89—88.59
25	11½— 11¾	89.69—89.49	Sunday	Sunday	12⅛— 12⅜	89.19—88.99	12⅜— 12⅝	88.99—88.79
26	11⅝— 11¾	89.59—89.49	12⅜— 12⅝	88.99—88.79	12¼— 12½	89.09—88.89	12⅜— 12⅝	88.99—88.79
27	11½— 11⅝	89.69—89.59	12⅝— 12¾	88.79—88.69	12 — 12⅜	89.29—88.99	Sunday	Sunday
28	Sunday	Sunday	12¾— 13⅛	88.69—88.40	12 — 12⅛	89.29—89.19	12½— 12¾	88.89—88.69
29	11⅝— 11⅞	89.59—89.39	12⅞— 13⅛	88.59—88.40	12 — 12¼	89.29—89.09	12⅝— 12¾	88.79—88.69
30	11¾— 11⅞	89.49—89.39	12⅞— 13⅛	88.59—88.40	Sunday	Sunday	12⅝— 12¾	88.79—88.69
31	11⅝— 11⅞	89.59—89.39	....	....	12 — 12⅛	89.29—89.19	12⅝— 13	88.79—88.50

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1871.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	12¾ — 12⅞	88.69—88.59	Sunday	Sunday	12 — 12⅜	89.29—88.99	10⅛ — 10⅜	90.81—90.60
2	12⅞ — 13	88.59—88.50	14⅝ — 14⅞	87.24—87.05	12 — 12¼	89.29—89.09	10¼ — 10⅜	90.70—90.60
3	Sunday	Sunday	14 — 14¾	87.72—87.15	11⅝ — 12	89.59—89.29	Sunday	Sunday
4	13 — 13⅜	88.50—88.20	13⅝ — 14	88.01—87.72	11¾ — 12	89.49—89.29	10⅛ — 10⅜	90.81—90.60
5	13 — 13¼	88.50—88.30	13¾ — 14¾	87.91—87.15	Sunday	Sunday	10 — 10¼	90.91—90.70
6	13⅛ — 13⅜	88.40—88.20	14¼ — 14⅞	87.53—87.05	11⅞ — 12⅛	89.39—89.19	9¾ — 10	91.12—90.91
7	13¼ — 13¾	88.30—87.91	14¾ — 15	87.15—86.96	Holiday	Holiday	9⅝ — 9⅞	91.22—91.01
8	13⅜ — 13⅝	88.20—88.01	Sunday	Sunday	11¾ — 11⅞	89.49—89.39	9⅝ — 10¼	91.22—90.70
9	13½ — 13⅞	88.11—87.82	14⅛ — 14¾	87.62—87.15	11⅝ — 11⅞	89.59—89.39	9⅞ — 10½	91.01—90.50
10	Sunday	Sunday	13¾ — 14½	87.91—87.34	11¼ — 11⅝	89.89—89.59	Sunday	Sunday
11	13⅞ — 14¼	87.82—87.53	14 — 14½	87.72—87.34	11⅜ — 11½	89.79—89.69	9½ — 10	91.32—90.91
12	13⅞ — 14⅛	87.82—87.62	14 — 14¾	87.72—87.15	Sunday	Sunday	9¼ — 9½	91.53—91.32
13	13⅞ — 14⅛	87.82—87.62	14¼ — 14⅝	87.53—87.24	11⅛ — 11⅜	89.99—89.79	9¼ — 9⅜	91.53—91.43
14	13⅝ — 14⅛	88.01—87.62	14⅛ — 14½	87.62—87.34	11 — 11⅜	90.09—89.79	9¼ — 9½	91.53—91.32
15	14 — 14¼	87.72—87.53	Sunday	Sunday	11⅛ — 11⅜	89.99—89.79	9¼ — 9⅜	91.53—91.43
16	13⅞ — 14¼	87.82—87.53	13¼ — 14	88.30—87.72	11 — 11¼	90.09—89.89	9 — 9¼	91.74—91.53
17	Sunday	Sunday	13⅛ — 13½	88.40—88.11	11⅛ — 11¼	89.99—89.89	Sunday	Sunday
18	14⅛ — 14½	87.62—87.34	13⅛ — 13⅜	88.40—88.20	11 — 11⅛	90.09—89.99	9 — 9¼	91.74—91.53
19	14⅜ — 15	87.43—86.96	12½ — 13	88.89—88.50	Sunday	Sunday	9 — 9¼	91.74—91.53
20	14¼ — 14⅝	87.53—87.24	12 — 12⅝	89.29—88.79	10¾ — 11	90.29—90.09	8¾ — 9	91.95—91.74
21	13⅞ — 14¾	87.82—87.15	12 — 12⅜	89.29—88.99	10⅝ — 10¾	90.40—90.29	8½ — 8¾	92.17—91.95
22	13⅞ — 14½	87.82—87.34	Sunday	Sunday	10⅝ — 10⅞	90.40—90.19	8⅝ — 8⅞	92.06—91.85
23	14¾ — 15⅜	87.15—86.67	12¼ — 12¾	89.09—88.69	10⅝ — 10⅞	90.40—90.19	8⅜ — 8⅝	92.27—92.06
24	Sunday	Sunday	11¾ — 12½	89.49—88.89	10¾ — 11⅛	90.29—89.99	Sunday	Sunday
25	14¾ — 15	87.15—86.96	11½ — 11⅞	89.69—89.39	10¾ — 10⅞	90.29—90.19	Christmas	Christmas
26	14 — 14½	87.72—87.34	11⅝ — 12⅛	89.59—89.19	Sunday	Sunday	8⅜ — 8¾	92.27—91.95
27	14⅜ — 14¾	87.43—87.15	11¾ — 12	89.49—89.29	10¾ — 11	90.29—90.09	8⅜ — 8¾	92.27—91.95
28	14½ — 15	87.34—86.96	11¾ — 12⅛	89.49—89.19	10⅝ — 11	90.40—90.09	8½ — 8¾	92.17—91.95
29	14⅝ — 14⅞	87.24—87.05	Sunday	Sunday	10⅜ — 10½	90.60—90.50	8¾ — 9¼	91.95—91.53
30	14⅝ — 14⅞	87.24—87.05	11¾ — 11⅞	89.49—89.39	Thanksgiving	Thanksgiving	9 — 9⅛	91.74—91.64
31	....	....	11⅝ — 12¼	89.59—89.09	....	....	Sunday	Sunday

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1872.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	9½— 10	91.32—90.91	10 — 10¼	90.91—90.70	10 — 10⅛	90.91—90.81
2	9¼— 9¾	91.53—91.12	9½— 9¾	91.32—91.12	10¼— 10⅜	90.70—90.60	9⅞— 10	91.01—90.91
3	9 — 9½	91.74—91.32	9⅝— 9⅞	91.22—91.01	Sunday	Sunday	9⅞— 10⅛	91.01—90.81
4	9 — 9⅜	91.74—91.43	Sunday	Sunday	10 — 10⅝	90.91—90.40	10 — 10⅜	90.91—90.60
5	9⅛— 9¼	91.64—91.53	10 — 10¼	90.91—90.70	10 — 10¼	90.91—90.70	10⅛— 10¼	90.81—90.70
6	8⅞— 9⅜	91.85—91.43	9⅞— 10⅛	91.01—90.81	10 — 10¼	90.91—90.70	10¼— 10⅜	90.70—90.60
7	Sunday	Sunday	9⅞— 10¼	91.01—90.70	10 — 10¼	90.91—90.70	Sunday	Sunday
8	9⅜— 9⅝	91.43—91.22	10½— 10¾	90.50—90.29	10⅛— 10⅝	90.81—90.40	10¼— 10½	90.70—90.50
9	8⅞— 9¼	91.85—91.53	10¼— 10⅝	90.70—90.40	10 — 10¼	90.91—90.70	10¼— 10½	90.70—90.50
10	8⅝— 9	92.06—91.74	10⅜— 10¾	90.60—90.29	Sunday	Sunday	10¼— 10½	90.70—90.50
11	8½— 8¾	92.17—91.95	Sunday	Sunday	10⅛— 10¼	90.81—90.70	10⅜— 10½	90.60—90.50
12	8⅝— 9⅞	92.06—91.85	10⅜— 10⅝	90.60—90.40	10⅛— 10¼	90.81—90.70	10⅜— 10⅝	90.60—90.40
13	8⅞— 9⅛	91.85—91.64	10⅛— 10⅜	90.81—90.60	10 — 10⅛	90.91—90.81	10½— 10⅝	90.50—90.40
14	Sunday	Sunday	10⅛— 10⅜	90.81—90.60	10 — 10¼	90.91—90.70	Sunday	Sunday
15	8¾— 9⅛	91.95—91.64	10⅛— 10⅜	90.81—90.60	10 — 10¼	90.91—90.70	10⅝— 10⅞	90.40—90.19
16	8¾— 9	91.95—91.74	10¼— 10⅜	90.70—90.60	10⅛— 10⅜	90.81—90.60	10⅞— 11⅛	90.19—89.99
17	8¾— 9⅛	91.95—91.64	10¼— 10⅜	90.70—90.60	Sunday	Sunday	10¾— 11⅛	90.29—89.99
18	8⅞— 9	91.85—91.74	Sunday	Sunday	10 — 10¼	90.91—90.70	10⅞— 11⅛	90.19—89.99
19	8⅞— 9⅛	91.85—91.64	10⅛— 10½	90.81—90.50	9¾— 10⅛	91.12—90.81	11⅛— 11¼	89.99—89.89
20	9 — 9¼	91.74—91.53	10⅜— 10½	90.60—90.50	9¾— 10	91.12—90.91	11¼— 11⅜	89.89—89.79
21	Sunday	Sunday	10⅜— 10¾	90.60—90.29	9¾— 9⅞	91.12—91.01	Sunday	Sunday
22	9 — 9⅛	91.74—91.64	Holiday	Holiday	9¾— 9⅞	91.12—91.01	11⅛— 11⅝	89.99—89.59
23	8⅞— 9	91.85—91.74	10¾— 11	90.29—90.09	9¾— 10	91.12—90.91	11⅛— 11¾	89.99—89.49
24	8⅞— 9	91.85—91.74	10¾— 11	90.29—90.09	Sunday	Sunday	11¾— 12⅛	89.49—89.19
25	9 — 9¼	91.74—91.53	Sunday	Sunday	9¾— 9⅞	91.12—91.01	12⅛— 12¾	89.19—88.69
26	9 — 9¼	91.74—91.53	10½— 10¾	90.50—90.29	9¾— 10	91.12—90.91	12¾— 13¼	88.69—88.30
27	9⅜— 9¾	91.43—91.12	10⅜— 10⅝	90.60—90.40	10 — 10¼	90.91—90.70	12⅝— 13	88.79—88.50
28	Sunday	Sunday	10⅜— 10⅝	90.60—90.40	10⅛— 10½	90.81—90.50	Sunday	Sunday
29	9⅝— 10	91.22—90.91	9⅞— 10¼	91.01—90.70	Holiday	Holiday	12⅜— 12¾	88.99—88.69
30	9½— 9¾	91.32—91.12	....	....	10 — 10⅛	90.91—90.81	12¼— 12⅝	89.09—88.79
31	9¾— 10⅛	91.12—90.81	....	....	Sunday	Sunday	....	....

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1872.

	May		June		July		August	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	12⅛ — 12⅝	89.19—88.79	14 — 14¼	87.72—87.53	13¾ — 14	87.91—87.72	15⅛ — 15½	86.86—86.58
2	12⅜ — 12⅝	88.99—88.79	Sunday	Sunday	13⅝ — 13⅞	88.01—87.82	15¼ — 15½	86.77—86.58
3	12½ — 13⅛	88.89—88.40	14¼ — 14⅝	87.53—87.24	13⅜ — 13¾	88.20—87.91	15⅜ — 15½	86.67—86.58
4	13 — 13¼	88.50—88.30	14¼ — 14⅝	87.53—87.24	Holiday	Holiday	Sunday	Sunday
5	Sunday	Sunday	14⅜ — 14¾	87.43—87.15	13⅝ — 13¾	88.01—87.91	15¼ — 15⅝	86.77—86.49
6	13⅝ — 13⅞	88.01—87.82	14½ — 14¾	87.34—87.15	13½ — 13¾	88.11—87.91	15¼ — 15½	86.77—86.58
7	13½ — 14⅛	88.11—87.62	13⅞ — 14½	87.82—87.34	Sunday	Sunday	15⅛ — 15⅝	86.86—86.49
8	13½ — 14	88.11—87.72	13⅞ — 14¼	87.82—87.53	13⅝ — 13¾	88.01—87.91	15⅛ — 15⅝	86.86—86.49
9	13⅞ — 14¼	87.82—87.53	Sunday	Sunday	13⅝ — 13⅞	88.01—87.82	15⅜ — 15⅝	86.67—86.49
10	13⅞ — 14⅜	87.82—87.43	14⅛ — 14⅜	87.62—87.43	13¾ — 14	87.91—87.72	15⅜ — 15½	86.67—86.58
11	14⅛ — 14⅜	87.62—87.43	13⅞ — 14⅜	87.82—87.43	13⅞ — 14	87.82—87.72	Sunday	Sunday
12	Sunday	Sunday	13⅞ — 14⅛	87.82—87.62	13⅞ — 14⅛	87.82—87.62	15⅜ — 15⅝	86.67—86.49
13	13¼ — 13¾	88.30—87.91	13⅞ — 14⅛	87.82—87.62	14 — 14⅛	87.72—87.62	14¾ — 15½	87.15—86.58
14	13½ — 14	88.11—87.72	13¾ — 14	87.91—87.72	Sunday	Sunday	14⅝ — 14⅞	87.24—87.05
15	13⅝ — 14⅛	88.01—87.62	13⅞ — 14	87.82—87.72	14⅛ — 14⅜	87.62—87.43	14⅝ — 15⅛	87.24—86.86
16	13⅞ — 14¼	87.82—87.53	Sunday	Sunday	14⅜ — 14⅝	87.43—87.24	15 — 15⅜	86.96—86.67
17	13¾ — 14⅛	87.91—87.62	13⅞ — 14	87.82—87.72	14½ — 14¾	87.34—87.15	15 — 15⅜	86.96—86.67
18	13⅝ — 13¾	88.01—87.91	13⅞ — 14⅛	87.82—87.62	14⅜ — 14¾	87.43—87.15	Sunday	Sunday
19	Sunday	Sunday	13⅝ — 13⅞	88.01—87.82	14⅛ — 14½	87.62—87.34	14⅛ — 15	87.62—86.96
20	13½ — 13⅞	88.11—87.82	13¼ — 13⅝	88.30—88.01	14¼ — 14½	87.53—87.34	13¾ — 14¼	87.91—87.53
21	13½ — 13¾	88.11—87.91	13⅜ — 13⅝	88.20—88.01	Sunday	Sunday	13¾ — 14½	87.91—87.34
22	13⅝ — 14	88.01—87.72	13⅛ — 13½	88.40—88.11	14⅛ — 14⅜	87.62—87.43	13¾ — 14¼	87.91—87.53
23	13⅞ — 14⅛	87.82—87.62	Sunday	Sunday	14¼ — 14⅝	87.53—87.24	13¼ — 13⅞	88.30—87.82
24	13⅝ — 13⅞	88.01—87.82	13 — 13½	88.50—88.11	14⅜ — 14⅝	87.43—87.24	12⅝ — 13½	88.79—88.11
25	13½ — 13¾	88.11—87.91	13¼ — 13⅜	88.30—88.20	14½ — 14⅝	87.34—87.24	Sunday	Sunday
26	Sunday	Sunday	13¼ — 13⅜	88.30—88.20	14⅝ — 14¾	87.24—87.15	12⅛ — 12⅞	89.19—88.59
27	13½ — 13¾	88.11—87.91	13¼ — 13⅝	88.30—88.01	14½ — 14¾	87.34—87.15	12½ — 13	88.89—88.50
28	13¾ — 14	87.91—87.72	13⅜ — 13⅝	88.20—88.01	Sunday	Sunday	12¾ — 13¼	88.69—88.30
29	13¾ — 14¾	87.91—87.15	13½ — 13⅞	88.11—87.82	14⅝ — 14⅞	87.24—87.05	12⅞ — 13⅛	88.59—88.40
30	14 — 14⅛	87.72—87.62	Sunday	Sunday	14¾ — 15	87.15—86.96	12⅝ — 12⅞	88.79—88.59
31	14 — 14⅛	87.72—87.62	....	....	15 — 15¼	86.96—86.77	12¾ — 12⅞	88.69—88.59

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1872.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	14 — 14⅝	87.72—87.24	11⅞ — 12⅝	89.39—88.79	Sunday	Sunday
2	13 — 13⅜	88.50—88.20	13⅞ — 14⅜	87.82—87.43	11⅜ — 12	89.79—89.29	12¾ — 13	88.69—88.50
3	13 — 13¼	88.50—88.30	14¼ — 15¼	87.53—86.77	Sunday	Sunday	12⅝ — 12⅞	88.79—88.59
4	13 — 13¼	88.50—88.30	14⅝ — 15	87.24—86.96	11⅝ — 12⅜	89.59—88.99	12¾ — 12⅞	88.69—88.59
5	13 — 13¼	88.50—88.30	13¾ — 14¾	87.91—87.15	Holiday	Holiday	12⅞ — 13¼	88.59—88.30
6	12⅝ — 13⅛	88.79—88.40	Sunday	Sunday	11⅞ — 12⅝	89.39—88.79	13 — 13⅜	88.50—88.20
7	12¾ — 13⅛	88.69—88.40	12⅝ — 13¼	88.79—88.30	12¼ — 12¾	89.09—88.69	12⅞ — 13½	88.59—88.11
8	Sunday	Sunday	12¾ — 13⅜	88.69—88.20	12⅜ — 13	88.99—88.50	Sunday	Sunday
9	13 — 13⅜	88.50—88.20	12¼ — 13⅛	89.09—88.40	13⅛ — 13¾	88.40—87.91	12⅞ — 13¼	88.59—88.30
10	12⅞ — 13⅜	88.59—88.20	12⅝ — 13	88.79—88.50	Sunday	Sunday	12⅜ — 13	88.99—88.50
11	12⅞ — 13⅛	88.59—88.40	12⅝ — 13⅛	88.79—88.40	13⅜ — 14¼	88.20—87.53	12⅜ — 12⅞	88.99—88.59
12	12⅞ — 13¼	88.59—88.30	12¾ — 12⅞	88.69—88.59	13⅛ — 13⅞	88.40—87.82	12¼ — 12¾	89.09—88.69
13	12⅞ — 13⅛	88.59—88.40	Sunday	Sunday	13¼ — 13¾	88.30—87.91	12⅛ — 12⅜	89.19—88.99
14	13 — 13½	88.50—88.11	12½ — 12⅞	88.89—88.59	13⅛ — 13½	88.40—88.11	12⅛ — 12½	89.19—88.89
15	Sunday	Sunday	12⅝ — 12⅞	88.79—88.59	13¼ — 13¾	88.30—87.91	Sunday	Sunday
16	13⅜ — 13¾	88.20—87.91	12⅞ — 13⅛	88.59—88.40	13½ — 13¾	88.11—87.91	12⅛ — 12⅜	89.19—88.99
17	13⅝ — 14⅝	88.01—87.24	12⅞ — 13⅛	88.59—88.40	Sunday	Sunday	11¾ — 12¼	89.49—89.09
18	13⅞ — 14⅝	87.82—87.24	12⅝ — 13⅛	88.79—88.40	13½ — 13¾	88.11—87.91	11⅝ — 12	89.59—89.29
19	13⅝ — 15⅛	88.01—86.86	12¾ — 13⅜	88.69—88.20	13¼ — 13⅝	88.30—88.01	11½ — 11⅞	89.69—89.39
20	13¾ — 15⅛	87.91—86.86	Sunday	Sunday	13 — 13½	88.50—88.11	11⅜ — 11¾	89.79—89.49
21	13½ — 14⅛	88.11—87.62	12¾ — 13⅜	88.69—88.20	13 — 13⅝	88.50—88.01	11½ — 13¾	89.69—89.49
22	Sunday	Sunday	12⅞ — 13⅛	88.59—88.40	13 — 14	88.50—87.72	Sunday	Sunday
23	13⅜ — 14⅛	88.20—87.62	12⅞ — 13⅜	88.59—88.20	12⅝ — 13⅜	88.79—88.20	11⅝ — 11⅞	89.59—89.39
24	13⅝ — 14	88.01—87.72	12⅞ — 13⅛	88.59—88.40	Sunday	Sunday	11⅝ — 11¾	89.59—89.49
25	13½ — 14	88.11—87.72	13 — 13⅜	88.50—88.20	12⅝ — 13½	88.79—88.11	Christmas	Christmas
26	13⅞ — 14	87.82—87.72	13 — 13¼	88.50—88.30	12¾ — 13	88.69—88.50	11¾ — 12⅛	89.49—89.19
27	13½ — 14	88.11—87.72	Sunday	Sunday	12⅝ — 12⅞	88.79—88.59	12 — 12⅜	89.29—88.99
28	13½ — 13⅞	88.11—87.82	12⅞ — 13⅛	88.59—88.40	Holiday	Holiday	11⅞ — 12⅛	89.39—89.19
29	Sunday	Sunday	12¾ — 13	88.69—88.50	12⅜ — 12¾	88.99—88.69	Sunday	Sunday
30	13⅝ — 14⅛	88.01—87.62	12¼ — 12¾	89.09—88.69	12½ — 12¾	88.89—88.69	11¾ — 12¼	89.49—89.09
31	....	....	12¼ — 12⅝	89.09—88.79	....	....	12 — 12⅛	89.29—89.19

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1873.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	13⅛—13½	88.40—88.11	14⅝—15⅛	87.24—86.86	16⅞—17½	85.56—85.11
2	11¾—12⅛	89.49—89.19	Sunday	Sunday	Sunday	Sunday	16⅞—17⅝	85.56—85.02
3	11⅝—11¾	89.59—89.49	13 —13¼	88.50—88.30	14⅞—15¼	87.05—86.77	17¼—17⅞	85.29—84.84
4	11⅝—11⅞	89.59—89.39	12⅞—13½	88.59—88.11	14¾—15⅛	87.15—86.86	17⅝—18¾	85.02—84.21
5	Sunday	Sunday	13⅜—13⅞	88.20—87.82	15 —15¼	86.96—86.77	18¼—19⅛	84.57—83.95
6	11⅝—11⅞	89.59—89.39	13½—13⅞	88.11—87.82	15 —15⅜	86.96—86.67	Sunday	Sunday
7	11⅝—11⅞	89.59—89.39	13¼—14	88.30—87.72	15¼—15¾	86.77—86.39	18½—19⅛	84.39—83.95
8	11¾—12¼	89.49—89.09	13¾—14¼	87.91—87.53	15⅜—15¾	86.67—86.39	18 —18⅝	84.75—84.30
9	12⅛—12½	89.19—88.89	Sunday	Sunday	Sunday	Sunday	17⅞—18⅜	84.84—84.48
10	12¼—12½	89.09—88.89	13⅞—14¼	87.82—87.53	15 —15½	86.96—86.58	17⅞—18⅜	84.84—84.48
11	12⅛—12⅜	89.19—88.99	13¾—14¼	87.91—87.53	15 —15¼	86.96—86.77	Holiday	Holiday
12	Sunday	Sunday	14 —14¼	87.72—87.53	15 —15¼	86.96—86.77	18⅜—19⅛	84.48—83.95
13	12 —12¼	89.29—89.09	14 —14⅜	87.72—87.43	14⅞—15¼	87.05—86.77	Sunday	Sunday
14	11⅞—12⅛	89.39—89.19	14 —14½	87.72—87.34	14¾—15⅛	87.15—86.86	18⅛—18⅞	84.66—84.12
15	12 —12⅜	89.29—88.99	14¼—14⅝	87.53—87.24	14¾—15⅛	87.15—86.86	17⅜—18⅞	85.20—84.12
16	12¼—12⅝	89.09—88.79	Sunday	Sunday	Sunday	Sunday	17⅛—17⅝	85.38—85.02
17	12⅜—12¾	88.99—88.69	14½—14¾	87.34—87.15	15 —15½	86.96—86.58	17 —17⅝	85.47—85.02
18	12⅝—13¼	88.79—88.30	14½—14⅞	87.34—87.05	15¼—15⅝	86.77—86.49	17½—18¼	85.11—84.57
19	Sunday	Sunday	14½—14¾	87.34—87.15	15¼—15⅝	86.77—86.49	17¾—18¼	84.93—84.57
20	12⅞—13⅜	88.59—88.20	14⅜—14⅝	87.43—87.24	15½—15¾	86.58—86.39	Sunday	Sunday
21	13¼—13⅞	88.30—87.82	14⅜—14⅝	87.43—87.24	15⅜—15⅝	86.67—86.49	17⅜—17⅞	85.20—84.84
22	13⅜—13¾	88.20—87.91	Holiday	Holiday	15½—15¾	86.58—86.39	17⅜—17⅞	85.20—84.84
23	13¼—13⅞	88.30—87.82	Sunday	Sunday	Sunday	Sunday	17¼—17⅝	85.29—85.02
24	13⅝—14¼	88.01—87.53	14¼—14½	87.53—87.34	15¼—15¾	86.77—86.39	17½—17⅞	85.11—84.84
25	13¾—14¼	87.91—87.53	14¼—14¾	87.53—87.15	15⅜—15¾	86.67—86.39	17¼—17⅞	85.29—84.84
26	Sunday	Sunday	14⅝—15⅛	87.24—86.86	15¾—16¼	86.39—86.02	17⅜—17⅝	85.20—85.02
27	13⅝—14	88.01—87.72	14½—14⅞	87.34—87.05	15⅞—16½	86.30—85.84	Sunday	Sunday
28	13¾—14⅛	87.91—87.62	14½—14¾	87.34—87.15	16⅜—16¾	85.93—85.65	17 —17⅜	85.47—85.20
29	13¾—14	87.91—87.72	....	....	16½—17	85.84—85.47	16¾—17⅛	85.65—85.38
30	13⅝—14	88.01—87.72	....	....	Sunday	Sunday	16⅞—17¼	85.56—85.29
31	13⅜—13⅞	88.20—87.82	....	....	16¾—18½	85.65—84.39	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1873.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	16¾ — 17⅜	85.65—85.20	Sunday	Sunday	15⅛ — 15½	86.86—86.58	15¼ — 15¾	86.77—86.39
2	16⅝ — 16⅞	85.74—85.56	17½ — 17⅞	85.11—84.84	15 — 15⅜	86.96—86.67	15⅜ — 15½	86.67—86.58
3	16⅝ — 17	85.74—85.47	17⅜ — 17⅝	85.20—85.02	15⅛ — 15¼	86.86—86.77	Sunday	Sunday
4	Sunday	Sunday	17¾ — 18¼	84.93—84.57	Holiday	Holiday	15¼ — 15½	86.77—86.58
5	16⅝ — 17⅛	85.74—85.38	17¾ — 18	84.93—84.75	Holiday	Holiday	15¼ — 15½	86.77—86.58
6	17 — 17¼	85.47—85.29	17⅞ — 18¼	84.84—84.57	Sunday	Sunday	15⅜ — 15⅝	86.67—86.49
7	17¼ — 17½	85.29—85.11	17¾ — 18⅛	84.93—84.66	15⅛ — 15⅜	86.86—86.67	15⅜ — 15⅝	86.67—86.49
8	17⅛ — 17½	85.38—85.11	Sunday	Sunday	15¼ — 15⅝	86.77—86.49	15⅜ — 15½	86.67—86.58
9	17⅛ — 17⅜	85.38—85.20	17¾ — 18	84.93—84.75	15⅝ — 15⅞	86.49—86.30	15⅜ — 15½	86.67—86.58
10	17½ — 18⅜	85.11—84.48	17½ — 17¾	85.11—84.93	15⅝ — 15⅞	86.49—86.30	Sunday	Sunday
11	Sunday	Sunday	17⅛ — 17½	85.38—85.11	15¾ — 16⅛	86.39—86.11	15⅜ — 15½	86.67—86.58
12	17⅜ — 18¼	85.20—84.57	16¾ — 17	85.65—85.47	15¾ — 16⅛	86.39—86.11	15⅛ — 15⅜	86.86—86.67
13	17½ — 17⅞	85.11—84.84	16⅞ — 17⅛	85.56—85.38	Sunday	Sunday	15⅛ — 15⅜	86.86—86.67
14	17⅝ — 18	85.02—84.75	16 — 17	86.21—85.47	15¾ — 16	86.39—86.21	14⅝ — 15¼	87.24—86.77
15	17⅝ — 17⅞	85.02—84.84	Sunday	Sunday	15⅝ — 16	86.49—86.21	14⅜ — 15	87.43—86.96
16	17¾ — 18	84.93—84.75	15¾ — 16½	86.39—85.84	15⅞ — 16⅛	86.30—86.11	14⅞ — 15⅜	87.05—86.67
17	18 — 18⅜	84.75—84.48	15½ — 15⅞	86.58—86.30	15¾ — 16	86.39—86.21	Sunday	Sunday
18	Sunday	Sunday	15¾ — 16⅛	86.39—86.11	15¾ — 16⅛	86.39—86.11	15¼ — 15⅝	86.77—86.49
19	17⅜ — 18⅛	85.20—84.66	15⅜ — 16	86.67—86.21	15⅞ — 16⅛	86.30—86.11	15⅜ — 15⅝	86.67—86.49
20	17⅝ — 17⅞	85.02—84.84	15¼ — 15⅝	86.77—86.49	Sunday	Sunday	15⅜ — 15½	86.67—86.58
21	17⅜ — 17¾	85.20—84.93	15¼ — 15½	86.77—86.58	16 — 16⅜	86.21—85.93	15⅜ — 15⅝	86.67—86.49
22	17½ — 18	85.11—84.75	Sunday	Sunday	16 — 16⅜	86.21—85.93	15¾ — 16⅛	86.39—86.11
23	17⅞ — 18⅜	84.84—84.48	15 — 15⅜	86.96—86.67	15¾ — 16⅛	86.39—86.11	15¾ — 16¼	86.39—86.02
24	18⅜ — 18⅝	84.48—84.30	15⅜ — 15⅝	86.67—86.49	15⅜ — 15⅞	86.67—86.30	Sunday	Sunday
25	Sunday	Sunday	15½ — 15⅝	86.58—86.49	15½ — 15¾	86.58—86.39	15¾ — 16⅛	86.39—86.11
26	18⅛ — 18⅝	84.66—84.30	15½ — 15¾	86.58—86.39	15½ — 15¾	86.58—86.39	15⅜ — 15¾	86.67—86.39
27	17⅞ — 18½	84.84—84.39	15½ — 15⅞	86.58—86.30	Sunday	Sunday	15⅛ — 15½	86.86—86.58
28	18¼ — 18½	84.57—84.39	15¼ — 15¾	86.77—86.39	15⅜ — 15¾	86.67—86.39	15¼ — 15½	86.77—86.58
29	18⅛ — 18½	84.66—84.39	Sunday	Sunday	15⅝ — 15⅞	86.49—86.30	15⅛ — 15¾	86.86—86.39
30	Holiday	Holiday	15⅜ — 15⅝	86.67—86.49	15¾ — 15⅞	86.39—86.30	15¼ — 15½	86.77—86.58
31	17¾ — 18⅛	84.93—84.66	....	....	15⅝ — 15⅞	86.49—86.30	Sunday	Sunday

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1873.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	15½— 16	86.58—86.21	10⅜— 11¼	90.60—89.89	8⅛— 8¾	92.49—91.95	8¾— 9	91.95—91.74
2	15¾— 16⅛	86.39—86.11	10½— 10⅞	90.50—90.19	Sunday	Sunday	8⅝— 9¼	92.06—91.53
3	15⅞— 16⅛	86.30—86.11	9¾— 10⅜	91.12—90.60	7½— 8¼	93.02—92.38	8⅞— 9¼	91.85—91.53
4	15⅜— 15⅞	86.67—86.30	9⅞— 10¼	91.01—90.70	Holiday	Holiday	8⅝— 9	92.06—91.74
5	14½— 15½	87.34—86.58	Sunday	Sunday	6⅞— 7⅝	93.57—92.92	9 — 9⅜	91.74—91.43
6	12⅞— 14½	88.59—87.34	9¾— 10¼	91.12—90.70	6⅛— 7	94.23—93.46	9¼— 9⅝	91.53—91.22
7	Sunday	Sunday	10⅛— 10⅜	90.81—90.60	6¼— 7½	94.12—93.02	Sunday	Sunday
8	12 — 12⅞	89.29—88.59	9⅝— 10¼	91.22—90.70	7 — 7⅞	93.46—92.70	9 — 9½	91.74—91.32
9	11⅝— 12¼	89.59—89.09	9 — 9⅝	91.74—91.22	Sunday	Sunday	9⅛— 9½	91.64—91.32
10	10⅞— 11½	90.19—89.69	8⅜— 9	92.27—91.74	7¼— 7¾	93.24—92.81	9¼— 9⅝	91.53—91.22
11	11 — 11¾	90.09—89.49	8⅛— 8½	92.49—92.17	7¼— 7⅝	93.24—92.92	9⅜— 9⅝	91.43—91.22
12	11¼— 11⅞	89.89—89.39	Sunday	Sunday	7 — 7½	93.46—93.02	9⅝— 10¼	91.22—90.70
13	11⅜— 12	89.79—89.29	8⅛— 8⅝	92.49—92.06	7⅜— 8¼	93.13—92.38	9¾— 10¼	91.12—90.70
14	Sunday	Sunday	8⅜— 9⅝	92.27—92.06	8¼— 9⅞	92.38—91.01	Sunday	Sunday
15	11 — 11⅝	90.09—89.59	8¼— 9⅛	92.38—91.64	8⅞— 10	91.85—90.91	10⅜— 11½	90.60—89.69
16	11 — 11¼	90.09—89.89	7⅝— 8½	92.92—92.17	Sunday	Sunday	11⅝— 12⅝	89.59—88.79
17	11⅛— 11⅜	89.99—89.79	7¾— 8¾	92.81—91.95	9¼— 9⅞	91.53—91.01	11⅝— 12¼	89.59—89.09
18	11¼— 12⅞	89.89—88.59	8¼— 8⅝	92.38—92.06	9¼— 10¼	91.53—90.70	11⅜— 12⅛	89.79—89.19
19	11¼— 13⅛	89.89—88.40	Sunday	Sunday	9⅛— 9⅞	91.64—91.01	10⅞— 11¾	90.19—89.49
20	11⅛— 12⅝	89.99—88.79	8 — 8⅝	92.59—92.06	8⅝— 9¼	92.06—91.53	10⅛— 10¾	90.81—90.29
21	Sunday	Sunday	8¼— 8¾	92.38—91.95	9⅝— 10½	91.22—90.50	Sunday	Sunday
22	12 — 12	89.29—89.29	8¼— 8½	92.38—92.17	9¾— 10½	91.12—90.50	10⅛— 10¾	90.81—90.29
23	11⅜— 12¼	89.79—89.09	8⅜— 8⅝	92.27—92.06	Sunday	Sunday	9⅞— 10⅜	91.01—90.60
24	11⅜— 12⅛	89.79—89.19	8½— 8¾	92.17—91.95	9⅜— 10	91.43—90.91	9¾— 10½	91.12—90.50
25	11⅛— 11⅝	89.99—89.59	8⅜— 8¾	92.27—91.95	9⅛— 9⅝	91.64—91.22	Holiday	Holiday
26	11¼— 14½	89.89—87.34	Sunday	Sunday	8⅞— 9¼	91.85—91.53	9¼— 10¼	91.53—90.70
27	13¼— 15½	88.30—86.58	8⅛— 8⅝	92.49—92.06	Thanksgiving	Thanksgiving	10 — 10¾	90.91—90.29
28	Sunday	Sunday	8⅛— 8⅜	92.49—92.27	9¼— 9¾	91.53—91.12	Sunday	Sunday
29	11¾— 13¼	89.49—88.30	8¼— 8¾	92.38—91.95	8⅝— 9⅛	92.06—91.64	10 — 10½	90.91—90.50
30	11⅜— 12½	89.79—88.89	8¼— 8⅝	92.38—92.06	Sunday	Sunday	10 — 10⅝	90.91—90.40
31	....	....	8¼— 8½	92.38—92.17	....	....	10¼— 10½	90.70—90.50

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1874.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	Sunday	Sunday	Sunday	Sunday	13½—13¾	88.11—87.91
2	10⅛—10½	90.81—90.50	11½—11⅝	89.69—89.59	12⅛—12½	89.19—88.89	13¼—13⅝	88.30—88.01
3	10⅜—11½	90.60—89.69	11½—11⅝	89.69—89.59	12⅛—12⅜	89.19—88.99	Holiday	Holiday
4	Sunday	Sunday	11½—11¾	89.69—89.49	11¾—12¼	89.49—89.09	13¼—13⅝	88.30—88.01
5	11—11⅞	90.09—89.39	11½—11⅝	89.69—89.59	11¾—12⅛	89.49—89.19	Sunday	Sunday
6	11—11½	90.09—89.69	11⅜—11¾	89.79—89.49	11⅜—11⅞	89.79—89.39	13¼—13⅝	88.30—88.01
7	10⅞—11¼	90.19—89.89	11⅝—11⅞	89.59—89.39	11¼—11¾	89.89—89.49	13¼—13¾	88.30—87.91
8	11⅛—11¾	89.99—89.49	Sunday	Sunday	Sunday	Sunday	13½—13¾	88.11—87.91
9	11⅜—11¾	89.79—89.49	11¾—12⅛	89.49—89.19	11½—11⅞	89.69—89.39	13⅜—13¾	88.20—87.91
10	11⅝—12	89.59—89.29	12—12⅜	89.29—88.99	11⅝—11⅞	89.59—89.39	13½—13⅞	88.11—87.82
11	Sunday	Sunday	12—12⅜	89.29—88.99	11⅝—12	89.59—89.29	13½—13⅝	88.11—88.01
12	11¾—12⅛	89.49—89.19	12⅛—12⅜	89.19—88.99	11⅞—12⅛	89.39—89.19	Sunday	Sunday
13	11¼—11¾	89.89—89.49	12⅛—12½	89.19—88.89	11⅝—12⅛	89.59—89.19	13⅝—13⅞	88.01—87.82
14	11⅜—11⅝	89.79—89.59	12⅜—12⅞	88.99—88.59	11¾—12	89.49—89.29	13¾—14⅛	87.91—87.62
15	11¼—11½	89.89—89.69	Sunday	Sunday	Sunday	Sunday	13¾—14⅜	87.91—87.43
16	11⅜—11⅝	89.79—89.59	12½—13	88.89—88.50	11⅞—12¼	89.39—89.09	13½—13¾	88.11—87.91
17	11⅛—11½	89.99—89.69	12½—12⅞	88.89—88.59	11⅞—12¼	89.39—89.09	13½—13⅞	88.11—87.82
18	Sunday	Sunday	12½—12¾	88.89—88.69	11¾—12	89.49—89.29	13¾—13⅞	87.91—87.82
19	11—11⅜	90.09—89.79	12⅝—12⅞	88.79—88.59	11¾—12	89.49—89.29	Sunday	Sunday
20	11⅛—11⅝	89.99—89.59	12½—12¾	88.89—88.69	11¾—12	89.49—89.29	13⅞—14⅛	87.82—87.62
21	11⅝—11⅞	89.59—89.39	12⅝—12⅞	88.79—88.59	11⅝—12	89.59—89.29	13¾—14	87.91—87.72
22	11¼—11¾	89.89—89.49	Sunday	Sunday	Sunday	Sunday	13½—13⅞	88.11—87.82
23	11⅜—11⅝	89.79—89.59	Holiday	Holiday	11⅝—11⅞	89.59—89.39	12⅜—13⅛	88.99—88.40
24	11⅜—11⅝	89.79—89.59	12¾—13	88.69—88.50	12—12¼	89.29—89.09	11¾—12⅜	89.49—88.99
25	Sunday	Sunday	12⅝—12⅞	88.79—88.59	11⅞—12½	89.39—88.89	12⅛—12½	89.19—88.89
26	11⅜—11¾	89.79—89.49	12½—12¾	88.89—88.69	12⅜—12¾	88.99—88.69	Sunday	Sunday
27	11⅜—11¾	89.79—89.49	12½—12¾	88.89—88.69	13—13½	88.50—88.11	12⅛—13⅛	89.19—88.40
28	11⅜—11⅝	89.79—89.59	12⅝—12¾	88.79—88.69	12⅞—13¼	88.59—88.30	13—13⅜	88.50—88.20
29	11¼—11⅝	89.89—89.59	....	....	Sunday	Sunday	12⅞—13¼	88.59—88.30
30	11⅛—11⅜	89.99—89.79	....	....	12¾—13½	88.69—88.11	12⅞—13¼	88.59—88.30
31	11⅜—11½	89.79—89.69	....	....	13¼—13⅝	88,30—88.01	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1874.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	12⅞— 13⅛	88.59—88.40	12 — 12¼	89.29—89.09	10½— 10⅞	90.50—90.19	9¼— 9⅝	91.53—91.22
2	12⅞— 13	88.59—88.50	12 — 12⅛	89.29—89.19	10½— 10⅝	90.50—90.40	Sunday	Sunday
3	Sunday	Sunday	11⅝— 12	89.59—89.29	10¼— 10⅝	90.70—90.40	9¼— 9⅜	91.53—91.43
4	12⅜— 12¾	88.99—88.69	11⅜— 11⅝	89.79—89.59	Holiday	Holiday	9¼— 9⅜	91.53—91.43
5	12⅛— 12½	89.19—88.89	11½— 11⅝	89.69—89.59	Sunday	Sunday	9⅜— 9½	91.43—91.32
6	12 — 12¼	89.29—89.09	10⅝— 11⅜	90.40—89.79	10 — 10⅜	90.91—90.60	9⅝— 10	91.22—90.91
7	12¼— 12⅝	89.09—88.79	Sunday	Sunday	9¾— 10⅛	91.12—90.81	9⅞— 10¼	91.01—90.70
8	12⅝— 12⅞	88.79—88.59	10½— 10⅞	90.50—90.19	9⅝— 9⅞	91.22—91.01	10 — 10¼	90.91—90.70
9	12⅜— 12¾	88.99—88.69	10½— 10¾	90.50—90.29	9¾— 10	91.12—90.91	Sunday	Sunday
10	Sunday	Sunday	10¾— 11⅛	90.29—89.99	9¾— 10	91.12—90.91	9½— 10	91.32—90.91
11	12⅜— 12½	88.99—88.89	10⅞— 11⅛	90.19—89.99	9⅞— 10	91.01—90.91	9½— 9¾	91.32—91.12
12	12 — 12½	89.29—88.89	10⅞— 11⅛	90.19—89.99	Sunday	Sunday	9½— 9⅝	91.32—91.22
13	11⅞— 12¼	89.39—89.09	10¾— 11¼	90.29—89.89	9¾— 9⅞	91.12—91.01	9⅜— 9⅝	91.43—91.22
14	12 — 12¼	89.29—89.09	Sunday	Sunday	9¾— 9⅞	91.12—91.01	9½— 9⅝	91.32—91.22
15	12¼— 12⅝	89.09—88.79	10¾— 10⅞	90.29—90.19	9¾— 9⅞	91.12—91.01	9½— 9⅝	91.32—91.22
16	12 — 12¼	89.29—89.09	10⅞— 11⅜	90.19—89.79	9¾— 9⅞	91.12—91.01	Sunday	Sunday
17	Sunday	Sunday	11 — 11⅜	90.09—89.79	9⅞— 10	91.01—90.91	9½— 9⅝	91.32—91.22
18	12⅛— 12¼	89.19—89.09	11 — 11¼	90.09—89.89	10 — 10¼	90.91—90.70	9⅜— 9⅝	91.43—91.22
19	12 — 12¼	89.29—89.09	11 — 11¼	90.09—89.89	Sunday	Sunday	9⅝— 9⅞	91.22—91.01
20	12⅛— 12¼	89.19—89.09	11⅛— 11¼	89.99—89.89	10⅛— 10¼	90.81—90.70	9⅝— 9⅞	91.22—91.01
21	12¼— 12½	89.09—88.89	Sunday	Sunday	10 — 10¼	90.91—90.70	9⅞— 10	91.01—90.91
22	12¼— 12½	89.09—88.89	11¼— 12	89.89—89.29	9¾— 10⅛	91.12—90.81	9¾— 10	91.12—90.91
23	12¼— 12⅜	89.09—88.99	11⅝— 12	89.59—89.29	9¾— 10	91.12—90.91	Sunday	Sunday
24	Sunday	Sunday	11⅜— 11¾	89.79—89.49	9⅝— 9⅞	91.22—91.01	9⅞— 10	91.01—90.91
25	12⅜— 12½	88.99—88.89	11¼— 11⅝	89.89—89.59	9¾— 10	91.12—90.91	9⅝— 10	91.22—90.91
26	12¼— 12½	89.09—88.89	11⅛— 11⅜	89.99—89.79	Sunday	Sunday	9⅝— 9¾	91.22—91.12
27	12¼— 12⅜	89.09—88.99	11¼— 11⅜	89.89—89.79	9½— 9⅞	91.32—91.01	9⅝— 9¾	91.22—91.12
28	12⅛— 12⅜	89.19—88.99	Sunday	Sunday	9 — 9½	91.74—91.32	9¾— 9¾	91.12—91.12
29	12¼— 12⅜	89.09—88.99	11 — 11	90.09—90.09	9 — 9⅜	91.74—91.43	9⅝— 9¾	91.22—91.12
30	Holiday	Holiday	11 — 11¼	90.09—89.89	9¼— 9⅝	91.53—91.22	Sunday	Sunday
31	Sunday	Sunday	....	....	9 — 9½	91.74—91.32	9¾— 9⅞	91.12—91.01

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1874.

	September		October		November		December	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	9⅝— 9¾	91.22—91.12	10 — 10¼	90.91—90.70	Sunday	Sunday	11⅞— 12¼	89.39—89.09
2	9¾— 9⅞	91.12—91.01	10⅛— 10¼	90.81—90.70	10¼— 10⅜	90.70—90.60	11⅞— 12¼	89.39—89.09
3	9¾— 10	91.12—90.91	10 — 10⅜	90.91—90.60	Holiday	Holiday	12⅛— 12¼	89.19—89.09
4	9¾— 9⅞	91.12—91.01	Sunday	Sunday	10⅛— 10½	90.81—90.50	11½— 12⅛	89.69—89.19
5	9¾— 9⅞	91.12—91.01	10 — 10⅛	90.91—90.81	10⅛— 10¼	90.81—90.70	11½— 11¾	89.69—89.49
6	Sunday	Sunday	10⅛— 10¼	90.81—90.70	10 — 10⅛	90.91—90.81	Sunday	Sunday
7	9¾— 9¾	91.12—91.12	10 — 10⅛	90.91—90.81	10 — 10¼	90.91—90.70	11¼— 11½	89.89—89.69
8	9⅝— 9¾	91.22—91.12	9¾— 10	91.12—90.91	Sunday	Sunday	10½— 10¼	90.50—89.89
9	9¾— 9⅞	91.12—91.01	10 — 10⅛	90.91—90.81	10⅛— 10⅜	90.81—90.60	10⅞— 11⅛	90.19—89.99
10	9¾— 9¾	91.12—91.12	10 — 10⅛	90.91—90.81	10⅛— 10¼	90.81—90.70	10¾— 11¼	90.29—89.89
11	9½— 9¾	91.32—91.12	Sunday	Sunday	10¼— 10⅜	90.70—90.60	11⅜— 11¾	89.79—89.49
12	9⅜— 9½	91.43—91.32	9⅞— 10⅛	91.01—90.81	10¼— 10⅜	90.70—90.60	11⅜— 11⅝	89.79—89.59
13	Sunday	Sunday	9⅞— 10	91.01—90.91	10⅜— 10⅝	90.60—90.40	Sunday	Sunday
14	9⅜— 9½	91.43—91.32	10 — 10	90.91—90.91	10⅝— 10¾	90.40—90.29	11¼— 11⅝	89.89—89.59
15	9½— 9⅞	91.32—91.01	10 — 10⅛	90.91—90.81	Sunday	Sunday	11⅝— 11¾	89.59—89.49
16	9¾— 10	91.12—90.91	10 — 10	90.91—90.91	10⅞— 11⅛	90.19—89.99	11⅜— 11⅝	89.79—89.59
17	9¾— 10	91.12—90.91	9⅞— 10	91.01—90.91	11⅛— 11⅜	89.99—89.79	11⅜— 11½	89.79—89.69
18	9⅝— 9¾	91.22—91.12	Sunday	Sunday	10⅞— 11¼	90.19—89.89	11½— 11¾	89.69—89.49
19	9⅝— 9⅝	91.22—91.22	10 — 10	90.91—90.91	10⅞— 11¼	90.19—89.89	11½— 11⅝	89.69—89.59
20	Sunday	Sunday	10 — 10¼	90.91—90.70	11⅛— 11⅜	89.99—89.79	Sunday	Sunday
21	9½— 9⅝	91.32—91.22	10⅛— 10¼	90.81—90.70	11¼— 11⅜	89.89—89.79	11½— 11⅝	89.69—89.59
22	9½— 9⅝	91.32—91.22	10⅛— 10¼	90.81—90.70	Sunday	Sunday	11½— 11⅝	89.69—89.59
23	9⅝— 9¾	91.22—91.12	10 — 10⅛	90.91—90.81	11⅜— 11⅝	89.79—89.59	11½— 11⅝	89.69—89.59
24	9½— 9⅝	91.32—91.22	10 — 10⅛	90.91—90.81	11⅝— 11⅞	89.59—89.39	11⅝— 11¾	89.59—89.49
25	9½— 9⅝	91.32—91.22	Sunday	Sunday	11⅝— 11¾	89.59—89.49	Christmas	Christmas
26	9½— 9⅞	91.32—91.01	10 — 10	90.91—90.91	Thanksgiving	Thanksgiving	11¾— 12⅛	89.49—89.19
27	Sunday	Sunday	10 — 10	90.91—90.91	11⅝— 11⅞	89.59—89.39	Sunday	Sunday
28	9¾— 10	91.12—90.91	10 — 10¼	90.91—90.70	11⅝— 12⅛	89.59—89.19	11¾— 12	89.49—89.29
29	9¾— 10⅛	91.12—90.81	10⅛— 10⅜	90.81—90.60	Sunday	Sunday	11⅝— 11⅞	89.59—89.39
30	10 — 10¼	90.91—90.70	10⅛— 10⅜	90.81—90.60	12⅛— 12⅜	89.19—88.99	11⅞— 11⅞	89.39—89.39
31	....	....	10⅛— 10⅛	90.81—90.81	....	....	11⅞— 12⅜	89.39—88.99

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1875.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	13¼—13½	88.30—88.11	14¾—14⅞	87.15—87.05	14⅛—14¾	87.62—87.15
2	12⅜—12¾	88.99—88.69	13½—14⅛	88.11—87.62	14½—14⅞	87.34—87.05	14 —14½	87.72—87.34
3	Sunday	Sunday	14⅛—15¼	87.62—86.77	14⅝—15	87.24—86.96	14⅜—14¾	87.43—87.15
4	12⅜—13	88.99—88.50	14¼—14⅞	87.53—87.05	14¾—15¼	87.15—86.77	Sunday	Sunday
5	12 —12⅜	89.29—88.99	13⅞—14⅜	87.82—87.43	15 —15⅛	86.96—86.86	14½—14¾	87.34—87.15
6	12¼—12½	89.09—88.89	14 —14⅜	87.72—87.43	14⅞—15⅛	87.05—86.86	14⅝—14⅞	87.24—87.05
7	12⅛—12⅜	89.19—88.99	Sunday	Sunday	Sunday	Sunday	14⅝—14¾	87.24—87.15
8	12⅛—12⅜	89.19—88.99	14¼—14⅝	87.53—87.24	14¾—15	87.15—86.96	14⅝—15	87.24—86.96
9	12⅛—12⅜	89.19—88.99	14½—14⅞	87.34—87.05	15 —15⅛	86.96—86.86	15 —15⅜	86.96—86.67
10	Sunday	Sunday	14⅝—14⅞	87.24—87.05	15 —15¼	86.96—86.77	15⅛—15¼	86.86—86.77
11	12¼—12⅜	89.09—88.99	14⅜—14⅝	87.43—87.24	15¼—15¾	86.77—86.39	Sunday	Sunday
12	12⅜—12⅝	88.99—88.79	14⅜—14¾	87.43—87.15	15⅛—15⅝	86.86—86.49	15¼—15⅜	86.77—86.67
13	12½—12¾	88.89—88.69	14½—14¾	87.34—87.15	14⅞—15⅜	87.05—86.67	14⅞—15⅜	87.05—86.67
14	12 —12½	89.29—88.89	Sunday	Sunday	Sunday	Sunday	15 —15¼	86.96—86.77
15	11¾—12⅛	89.49—89.19	14½—14⅝	87.34—87.24	15⅜—16	86.67—86.21	15⅛—15¼	86.86—86.77
16	12 —12¼	89.29—89.09	14½—15⅛	87.34—86.86	15¾—16⅛	86.39—86.11	15 —15¼	86.96—86.77
17	Sunday	Sunday	14⅞—15⅜	87.05—86.67	15⅞—16⅝	86.30—85.74	15 —15⅛	86.96—86.86
18	12⅛—12⅜	89.19—88.99	14⅞—15¼	87.05—86.77	16⅜—16¾	85.93—85.65	Sunday	Sunday
19	12¼—12½	89.09—88.89	14⅝—14⅞	87.24—87.05	15⅞—16⅝	86.30—85.74	15 —15⅛	86.96—86.86
20	12¼—12¾	89.09—88.69	14½—14¾	87.34—87.15	15⅝—16	86.49—86.21	15⅛—15¼	86.86—86.77
21	12⅜—12⅝	88.99—88.79	Sunday	Sunday	Sunday	Sunday	14¾—15⅛	87.15—86.86
22	12½—12¾	88.89—88.69	Holiday	Holiday	16⅛—16¼	86.11—86.02	14⅞—15	87.05—86.96
23	12½—12⅝	88.89—88.79	14⅜—14¾	87.43—87.15	16 —16⅜	86.21—85.93	15⅛—15⅜	86.86—86.67
24	Sunday	Sunday	14⅜—14⅝	87.43—87.24	15½—15⅞	86.58—86.30	15¼—15⅜	86.77—86.67
25	12⅝—12⅞	88.79—88.59	14¼—14⅜	87.53—87.43	15½—16	86.58—86.21	Sunday	Sunday
26	12¾—12⅞	88.69—88.59	14¼—14½	87.53—87.34	Holiday	Holiday	15⅛—15⅜	86.86—86.67
27	12⅛—13	89.19—88.50	14½—14⅝	87.34—87.24	16⅛—16¼	86.11—86.02	15¼—15¾	86.77—86.39
28	12⅞—13¼	88.59—88.30	Sunday	Sunday	Sunday	Sunday	15¼—15⅜	86.77—86.67
29	13 —13⅜	88.50—88.20	....	....	16⅜—17	85.93—85.47	15¼—15⅜	86.77—86.67
30	12⅞—13¼	88.59—88.30	....	....	14⅞—16⅞	87.05—85.56	15⅜—15½	86.67—86.58
31	Sunday	Sunday	....	....	14⅜—14⅞	87.43—87.05	....	....

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1875.

	May		June		July		August	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	15¼— 15½	86.77—86.58	16¼— 16½	86.02—85.84	16⅞— 17⅛	85.56—85.38	Sunday	Sunday
2	Sunday	Sunday	16⅜— 16⅝	85.93—85.74	17 — 17⅛	85.47—85.38	12⅝— 13	88.79—88.50
3	15 — 15⅛	86.96—86.86	16½— 16⅞	85.84—85.56	17 — 17⅛	85.47—85.38	12¾— 13	88.69—88.50
4	15⅛— 15⅜	86.86—86.67	17 — 17¼	85.47—85.29	Sunday	Sunday	12⅞— 13	88.59—88.50
5	15¼— 15⅜	86.77—86.67	16⅞— 17⅛	85.56—85.38	Holiday	Holiday	13 — 13⅜	88.50—88.20
6	15¼— 15½	86.77—86.58	Sunday	Sunday	17 — 17¼	85.47—85.29	13½— 14	88.11—87.72
7	15⅜— 15⅝	86.67—86.49	16⅞— 17	85.56—85.47	16½— 17⅛	85.84—85.38	13½— 13⅞	88.11—87.82
8	15⅝— 15⅞	86.49—86.30	16⅞— 17⅛	85.56—85.38	15⅝— 16¼	86.49—86.02	Sunday	Sunday
9	Sunday	Sunday	16½— 17	85.84—85.47	16 — 16⅜	86.21—85.93	13⅝— 13¾	88.01—87.91
10	15½— 15¾	86.58—86.39	16½— 16¾	85.84—85.65	15⅞— 16½	86.30—85.84	13⅝— 14	88.01—87.72
11	15⅜— 15⅝	86.67—86.49	16⅝— 16⅞	85.74—85.56	Sunday	Sunday	13⅞— 14¼	87.82—87.53
12	15½— 15⅝	86.58—86.49	16¾— 16⅞	85.65—85.56	15⅝— 15⅞	86.49—86.30	13½— 14	88.11—87.72
13	15⅝— 15¾	86.49—86.39	Sunday	Sunday	15¼— 15⅞	86.77—86.30	12⅞— 13½	88.59—88.11
14	15⅞— 16⅛	86.30—86.11	16½— 16¾	85.84—85.65	14⅜— 15⅛	87.43—86.86	13⅛— 13⅜	88.40—88.20
15	15⅞— 16⅛	86.30—86.11	16¾— 16⅞	85.65—85.56	14¾— 15	87.15—86.96	Sunday	Sunday
16	Sunday	Sunday	16⅞— 17	85.56—85.47	14⅜— 15	87.43—86.96	13⅛— 13⅜	88.40—88.20
17	16 — 16⅛	86.21—86.11	17⅛— 17¼	85.38—85.29	14⅛— 14⅝	87.62—87.24	13 — 13¼	88.50—88.30
18	15⅞— 16¼	86.30—86.02	17¼— 17¼	85.29—85.29	Sunday	Sunday	13⅛— 13⅝	88.40—88.01
19	16⅛— 16⅜	86.11—85.93	17⅛— 17¼	85.38—85.29	13⅞— 14⅜	87.82—87.43	13⅝— 14⅛	88.01—87.62
20	16⅛— 16⅜	86.11—85.93	Sunday	Sunday	13¼— 14⅛	88.30—87.62	13⅜— 13½	88.20—88.11
21	15⅞— 16¼	86.30—86.02	17¼— 17½	85.29—85.11	12⅝— 13¼	88.79—88.30	13⅛— 13½	88.40—88.11
22	16⅛— 16¼	86.11—86.02	17¼— 17½	85.29—85.11	12⅝— 13	88.79—88.50	Sunday	Sunday
23	Sunday	Sunday	17⅛— 17¼	85.38—85.29	11¾— 12⅝	89.49—88.79	13¼— 13½	88.30—88.11
24	16⅛— 16⅜	86.11—85.93	17⅛— 17¼	85.38—85.29	12 — 12⅜	89.29—88.99	13¼— 13½	88.30—88.11
25	16 — 16¼	86.21—86.02	17⅛— 17⅜	85.38—85.20	Sunday	Sunday	13⅜— 13½	88.20—88.11
26	15⅞— 16⅛	86.30—86.11	17⅛— 17¼	85.38—85.29	12 — 12¾	89.29—88.69	13⅜— 13⅝	88.20—88.01
27	16 — 16⅛	86.21—86.11	Sunday	Sunday	12¾— 16⅝	88.69—85.74	13¾— 14¼	87.91—87.53
28	16 — 16¼	86.21—86.02	17 — 17⅛	85.47—85.38	13⅛— 14¾	88.40—87.15	13⅞— 14	87.82—87.72
29	16⅛— 16¼	86.11—86.02	17¼— 17¼	85.29—85.29	12⅜— 12¾	88.99—88.69	Sunday	Sunday
30	Sunday	Sunday	16⅞— 17¼	85.56—85.29	12⅝— 13⅛	88.79—88.40	14 — 14½	87.72—87.34
31	Holiday	Holiday	....	....	12¼— 13	89.09—88.50	14⅜— 14¾	87.43—87.15

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1875.

	September		October		November		December	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	14⅛—14⅜	87.62—87.43	16¾—17	85.65—85.47	15⅞—16⅜	86.30—85.93	14⅞—15¼	87.05—86.77
2	13¾—14¼	87.91—87.53	16¾—17¼	85.65—85.29	Holiday	Holiday	14⅞—15¼	87.05—86.77
3	14⅛—14⅜	87.62—87.43	Sunday	Sunday	15 — 15⅞	86.96—86.30	14⅝—14⅞	87.24—87.05
4	14¼—14⅝	87.53—87.24	17 — 17⅜	85.47—85.20	14⅞—15⅜	87.05—86.67	14¼—14¾	87.53—87.15
5	Sunday	Sunday	17⅛—17⅝	85.38—85.02	15⅛—15⅝	86.86—86.49	Sunday	Sunday
6	14½—15	87.34—86.96	16⅞—17⅛	85.56—85.38	14⅞—15⅜	87.05—86.67	14⅛—14½	87.62—87.34
7	14⅞—15¼	87.05—86.77	16⅞—17⅛	85.56—85.38	Sunday	Sunday	14⅛—14⅜	87.62—87.43
8	14⅞—15¼	87.05—86.77	16⅜—17⅛	85.93—85.38	14¾—15¼	87.15—86.77	14 — 14⅜	87.72—87.43
9	15¼—15⅝	86.77—86.49	16⅜—16¾	85.93—85.65	14⅜—15	87.43—86.96	14⅜—14½	87.43—87.34
10	15⅞—17	86.30—85.47	Sunday	Sunday	14⅜—14¾	87.43—87.15	14¼—14½	87.53—87.34
11	16⅜—17⅛	85.93—85.38	16½—16⅝	85.84—85.74	14⅛—14⅝	87.62—87.24	14⅜—14½	87.43—87.34
12	Sunday	Sunday	16 — 16½	86.21—85.84	14⅜—14⅝	87.43—87.24	Sunday	Sunday
13	16 — 16⅝	86.21—85.74	15⅝—16⅜	86.49—85.93	14⅜—14¾	87.43—87.15	14⅛—14⅜	87.62—87.43
14	16¼—17	86.02—85.47	16⅜—16⅞	85.93—85.56	Sunday	Sunday	14⅜—14½	87.43—87.34
15	16½—17	85.84—85.47	16½—17	85.84—85.47	14¼—14¾	87.53—87.15	14⅜—14½	87.43—87.34
16	16⅛—16¾	86.11—85.65	16⅜—17	85.93—85.47	14⅜—14½	87.43—87.34	14¼—14⅜	87.53—87.43
17	15¾—16⅜	86.39—85.93	Sunday	Sunday	14⅛—14⅜	87.62—87.43	14⅛—14⅜	87.62—87.43
18	16¼—17	86.02—85.47	16⅝—16⅞	85.74—85.56	14¼—14¾	87.53—87.15	13⅝—14⅛	88.01—87.62
19	Sunday	Sunday	16½—16¾	85.84—85.65	14¾—15	87.15—86.96	Sunday	Sunday
20	16¾—17¼	85.65—85.29	16¼—16⅝	86.02—85.74	14⅝—14¾	87.24—87.15	13⅜—13¾	88.20—87.91
21	16¾—17¼	85.65—85.29	15⅞—16⅜	86.30—85.93	Sunday	Sunday	13¼—13⅜	88.30—88.20
22	16¼—16¾	86.02—85.65	15½—16⅛	86.58—86.11	14½—14¾	87.34—87.15	13¼—13⅜	88.30—88.20
23	16⅜—16¾	85.93—85.65	14⅝—15¼	87.24—86.77	14¼—14¾	87.53—87.15	12⅞—13⅜	88.59—88.20
24	16⅜—16¾	85.93—85.65	Sunday	Sunday	14⅛—14⅜	87.62—87.43	13 — 13⅛	88.50—88.40
25	16½—16¾	85.84—85.65	14½—15⅛	87.34—86.86	Holiday	Holiday	Holiday	Holiday
26	Sunday	Sunday	15⅛—15⅝	86.86—86.49	14⅜—14½	87.43—87.34	Sunday	Sunday
27	16½—16¾	85.84—85.65	15¾—16⅛	86.39—86.11	14⅜—14½	87.43—87.34	12⅝—13	88.79—88.50
28	16¾—17	85.65—85.47	16⅛—16⅝	86.11—85.74	Sunday	Sunday	12¾—13	88.69—88.50
29	16⅞—17⅜	85.56—85.20	16⅛—16½	86.11—85.84	14⅜—14¾	87.43—87.15	13 — 13¼	88.50—88.30
30	17 — 17⅛	85.47—85.38	15⅞—16½	86.30—85.84	14⅝—15⅝	87.24—86.49	12¾—13⅛	88.69—88.40
31	....	....	Sunday	Sunday	....	....	12⅞—13⅛	88.59—88.40

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1876.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	13 — 13¼	88.50—88.30	14⅛— 14¼	87.62—87.53	13⅜— 13⅞	88.20—87.82
2	Sunday	Sunday	13 — 13¼	88.50—88.30	14⅜— 14⅝	87.43—87.24	Sunday	Sunday
3	12¾— 13⅛	88.69—88.40	13 — 13	88.50—88.50	14⅝— 15	87.24—86.96	13 — 13⅝	88.50—88.01
4	12½— 12¾	88.89—88.69	12⅞— 13	88.59—88.50	14½— 14¾	87.34—87.15	12⅞— 13⅛	88.59—88.40
5	12⅜— 12⅝	88.99—88.79	12¾— 12⅞	88.69—88.59	Sunday	Sunday	12⅝— 13	88.79—88.50
6	12⅜— 12¾	88.99—88.69	Sunday	Sunday	14⅝— 14⅞	87.24—87.05	12¾— 13	88.69—88.50
7	12⅝— 13	88.79—88.50	12¾— 12⅞	88.69—88.59	14¼— 14⅝	87.53—87.24	12¾— 13¼	88.69—88.30
8	13 — 13¼	88.50—88.30	12⅞— 13	88.59—88.50	14⅜— 14⅝	87.43—87.24	13 — 13¼	88.50—88.30
9	Sunday	Sunday	12¾— 12⅞	88.69—88.59	14½— 14⅝	87.34—87.24	Sunday	Sunday
10	13 — 13⅛	88.50—88.40	12⅞— 12⅞	88.59—88.59	14⅜— 14⅝	87.43—87.24	13 — 13¼	88.50—88.30
11	12¾— 13⅛	88.69—88.40	12⅞— 13	88.59—88.50	14⅝— 14⅝	87.24—87.24	12⅞— 13	88.59—88.50
12	12¾— 12⅞	88.69—88.59	13 — 13⅛	88.50—88.40	Sunday	Sunday	13 — 13½	88.50—88.11
13	12½— 12¾	88.89—88.69	Sunday	Sunday	14⅝— 14¾	87.24—87.15	13¼— 13⅜	88.30—88.20
14	12½— 13	88.89—88.50	13⅛— 13¼	88.40—88.30	14⅜— 15	87.43—86.96	Holiday	Holiday
15	12⅞— 13⅛	88.59—88.40	13⅛— 13⅜	88.40—88.20	14⅜— 14⅝	87.43—87.24	13¼— 13½	88.30—88.11
16	Sunday	Sunday	13½— 13¾	88.11—87.91	14⅜— 14⅝	87.43—87.24	Sunday	Sunday
17	13 — 13⅛	88.50—88.40	13½— 13⅞	88.11—87.82	14⅜— 14⅝	87.43—87.24	12⅞— 13¼	88.59—88.30
18	12¾— 13⅛	88.69—88.40	13½— 13⅞	88.11—87.82	14⅜— 14½	87.43—87.34	13 — 13⅛	88.50—88.40
19	12¾— 12⅞	88.69—88.59	13⅝— 13¾	88.01—87.91	Sunday	Sunday	13 — 13⅛	88.50—88.40
20	12⅞— 13⅛	88.59—88.40	Sunday	Sunday	14⅛— 14⅜	87.62—87.43	13 — 13⅛	88.50—88.40
21	12⅞— 13⅛	88.59—88.40	13¾— 14	87.91—87.72	13⅞— 14⅛	87.82—87.62	12¾— 12⅞	88.69—88.59
22	13 — 13	88.50—88.50	Holiday	Holiday	14⅛— 14¼	87.62—87.53	12¾— 12⅞	88.69—88.59
23	Sunday	Sunday	14⅛— 14⅛	87.62—87.62	14⅛— 14¼	87.62—87.53	Sunday	Sunday
24	13 — 13⅛	88.50—88.40	13¾— 14	87.91—87.72	14¼— 14¼	87.53—87.53	12⅝— 12⅞	88.79—88.59
25	12⅞— 13⅛	88.59—88.40	13¾— 14⅛	87.91—87.62	14 — 14⅜	87.72—87.43	12½— 12⅝	88.89—88.79
26	12⅞— 12⅞	88.59—88.59	13⅞— 14	87.82—87.72	Sunday	Sunday	12½— 12⅝	88.89—88.79
27	12⅞— 13	88.59—88.50	Sunday	Sunday	13⅞— 14	87.82—87.72	12½— 12¾	88.89—88.69
28	13 — 13⅛	88.50—88.40	13⅞— 14⅛	87.82—87.62	13⅞— 14⅛	87.82—87.62	12⅝— 12⅞	88.79—88.59
29	13 — 13⅛	88.50—88.40	14 — 14⅛	87.72—87.62	13¾— 14⅛	87.91—87.62	12⅝— 12¾	88.79—88.69
30	Sunday	Sunday	....	....	13¾— 14	87.91—87.72	Sunday	Sunday
31	13 — 13⅛	88.50—88.40	....	....	13¾— 13⅞	87.91—87.82	....	....

TABLE 1—(Continued).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1876.

	May		June		July		August	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	12⅝— 12⅞	88.79—88.59	12⅝— 12¾	88.79—88.69	12¼— 12⅜	89.09—88.99	11¾— 11⅞	89.49—89.39
2	12⅞— 13	88.59—88.50	12⅝— 12¾	88.79—88.69	Sunday	Sunday	11⅞— 12	89.39—89.29
3	12¾— 12⅞	88.69—88.59	12½— 12⅝	88.89—88.79	Holiday	Holiday	11⅞— 12	89.39—89.29
4	12¾— 12⅞	88.69—88.59	Sunday	Sunday	Holiday	Holiday	11⅞— 12⅛	89.39—89.19
5	12¾— 12⅞	88.69—88.59	12⅝— 12¾	88.79—88.69	12⅛— 12⅜	89.19—88.99	12 — 12	89.29—89.29
6	12½— 12¾	88.89—88.69	12⅝— 12¾	88.79—88.69	11⅞— 12⅛	89.39—89.19	Sunday	Sunday
7	Sunday	Sunday	12⅝— 12¾	88.79—88.69	11⅞— 12⅛	89.39—89.19	11⅞— 12⅛	89.39—89.19
8	12⅝— 12¾	88.79—88.69	12¾— 13	88.69—88.50	12 — 12	89.29—89.29	11¾— 11⅞	89.49—89.39
9	12½— 12⅝	88.89—88.79	12⅝— 12⅞	88.79—88.59	Sunday	Sunday	11¾— 11⅞	89.49—89.39
10	12¼— 12½	89.09—88.89	12½— 12¾	88.89—88.69	11¾— 11⅞	89.49—89.39	11½— 11¾	89.69—89.49
11	12¼— 12⅜	89.09—88.99	Sunday	Sunday	11⅝— 11⅞	89.59—89.39	11⅜— 11½	89.79—89.69
12	12¼— 12⅜	89.09—88.99	12½— 12⅝	88.89—88.79	11⅝— 11¾	89.59—89.49	11½— 11½	89.69—89.69
13	12⅜— 12½	88.99—88.89	12½— 12¾	88.89—88.69	11⅜— 11⅝	89.79—89.59	Sunday	Sunday
14	Sunday	Sunday	12⅝— 12¾	88.79—88.69	11⅜— 11⅝	89.79—89.59	11⅜— 11½	89.79—89.69
15	12½— 12⅝	88.89—88.79	12⅝— 12¾	88.79—88.69	11⅜— 11½	89.79—89.69	11¼— 11⅜	89.89—89.79
16	12⅜— 12½	88.99—88.89	12⅝— 12¾	88.79—88.69	Sunday	Sunday	11⅛— 11½	89.99—89.69
17	12⅜— 12¾	88.99—88.69	12½— 12⅝	88.89—88.79	11½— 11⅝	89.69—89.59	11⅛— 11¼	89.99—89.89
18	12¾— 12⅞	88.69—88.59	Sunday	Sunday	11½— 11⅝	89.69—89.59	10¾— 11	90.29—90.09
19	12½— 12⅞	88.89—88.59	12½— 12⅝	88.89—88.79	11½— 11¾	89.69—89.49	10⅝— 10¾	90.40—90.29
20	12½— 12⅝	88.89—88.79	12⅜— 12½	88.99—88.89	11⅝— 11⅞	89.59—89.39	Sunday	Sunday
21	Sunday	Sunday	12⅜— 12⅜	88.99—88.99	11¾— 11⅞	89.49—89.39	10½— 10¾	90.50—90.29
22	12¼— 12½	89.09—88.89	12¼— 12⅜	89.09—88.99	11¾— 11⅞	89.49—89.39	10⅝— 10¾	90.40—90.29
23	12⅜— 12⅝	88.99—88.79	12 — 12¼	89.29—89.09	Sunday	Sunday	10¾— 10⅞	90.29—90.19
24	12½— 12¾	88.89—88.69	11⅞— 12⅛	89.39—89.19	11⅝— 11¾	89.59—89.49	10⅞— 11⅛	90.19—89.99
25	12⅝— 12¾	88.79—88.69	Sunday	Sunday	11¾— 11⅞	89.49—89.39	10¾— 11	90.29—90.09
26	12⅝— 12⅞	88.79—88.59	12 — 12⅛	89.29—89.19	11¾— 11⅞	89.49—89.39	11 — 11⅛	90.09—89.99
27	12⅞— 13¼	88.59—88.30	11⅞— 12	89.39—89.29	11¾— 11⅞	89.49—89.39	Sunday	Sunday
28	Sunday	Sunday	12 — 12⅛	89.29—89.19	11¾— 11⅞	89.49—89.39	10⅝— 11	90.40—90.09
29	12¾— 13⅛	88.69—88.40	12⅛— 12⅜	89.19—88.99	11⅞— 12½	89.39—88.89	10⅛— 10⅝	90.81—90.40
30	Holiday	Holiday	12⅜— 12½	88.99—88.89	Sunday	Sunday	9⅞— 10⅛	90.01—90.81
31	12⅜— 12⅝	88.99—88.79	....	....	11⅞— 12¼	89.39—89.09	9¾— 10	91.12—90.91

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1876.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	9⅞—10⅛	91.01—90.81	Sunday	Sunday	9⅞—10	91.01—90.91	8½—9	92.17—91.74
2	9⅝—9⅞	91.22—91.01	10—10⅛	90.91—90.81	9¾—9⅞	91.12—91.01	8½—8⅞	92.17—91.85
3	Sunday	Sunday	10—10	90.91—90.91	9¾—9¾	91.12—91.12	Sunday	Sunday
4	9¼—9¾	91.53—91.12	9¾—10	91.12—90.91	9¾—9⅞	91.12—91.01	8⅜—8¾	92.27—91.95
5	9½—9¾	91.32—91.12	9½—9¾	91.32—91.12	Sunday	Sunday	8⅛—8½	92.49—92.17
6	9½—9⅝	91.32—91.22	9¼—9½	91.53—91.32	9¾—9⅞	91.12—91.01	8—8¼	92.59—92.38
7	9½—10	91.32—90.91	9—9¼	91.74—91.53	Holiday	Holiday	7⅝—8⅛	92.92—92.49
8	9⅞—10	91.01—90.91	Sunday	Sunday	9½—10⅛	91.32—90.81	7⅛—7⅝	93.35—92.92
9	9⅞—10⅜	91.01—90.60	8⅞—9	91.85—91.74	9½—9⅞	91.32—91.01	7—7¼	93.46—93.24
10	Sunday	Sunday	8⅞—9	91.85—91.74	9⅝—9⅞	91.22—91.01	Sunday	Sunday
11	10—10⅜	90.91—90.60	8⅞—9⅛	91.85—91.64	9¼—9⅝	91.53—91.22	7—7¼	93.46—93.24
12	9¾—10	91.12—90.91	8⅞—9	91.85—91.74	Sunday	Sunday	7⅛—7⅝	93.35—92.92
13	9¾—10	91.12—90.91	9—9⅛	91.74—91.64	9⅝—9⅞	91.22—91.01	7¼—7⅝	93.24—92.92
14	10—10⅛	90.91—90.81	9⅛—9⅛	91.64—91.64	9⅝—9⅞	91.22—91.01	7⅜—7⅝	93.13—92.92
15	10—10⅛	90.91—90.81	Sunday	Sunday	9⅝—9⅞	91.22—91.01	7⅝—7¾	92.92—92.81
16	10⅛—10⅛	90.81—90.81	9⅛—9¼	91.64—91.53	9½—9⅞	91.32—91.01	7⅝—7⅞	92.92—92.70
17	Sunday	Sunday	9¼—9⅞	91.53—91.01	9¾—9⅞	91.12—91.01	Sunday	Sunday
18	9⅞—10	91.01—90.91	10⅛—13¼	90.81—88.30	9¾—9¾	91.12—91.12	7¾—8	92.81—92.59
19	9⅞—10	91.01—90.91	10½—11¼	90.50—89.89	Sunday	Sunday	7½—7¾	93.02—92.81
20	10—10¼	90.91—90.70	10—10⅞	90.91—90.19	9¾—9⅞	91.12—91.01	7¼—7½	93.24—93.02
21	9¾—10	91.12—90.91	9⅞—10⅛	91.01—90.81	9½—9¾	91.32—91.12	7⅜—7½	93.13—93.02
22	9⅞—10⅛	91.01—90.81	Sunday	Sunday	9⅜—9½	91.43—91.32	7¼—7⅜	93.24—93.13
23	10—10⅛	90.91—90.81	9⅝—10	91.22—90.91	9½—9⅝	91.32—91.22	7¼—7⅜	93.24—93.13
24	Sunday	Sunday	9¾—9⅞	91.12—91.01	9⅜—9½	91.43—91.32	Sunday	Sunday
25	10—10⅛	90.91—90.81	9¾—9⅞	91.12—91.01	9—9⅜	91.74—91.43	Holiday	Holiday
26	10—10⅛	90.91—90.81	9¾—9¾	91.12—91.12	Sunday	Sunday	7⅛—7⅜	93.35—93.13
27	9⅞—10⅛	91.01—90.81	9⅝—9⅞	91.22—91.01	9⅛—9¼	91.64—91.53	7—7⅛	93.46—93.35
28	9⅞—10	91.01—90.91	9¾—9⅞	91.12—91.01	8½—9	92.17—91.74	7—7⅛	93.46—93.35
29	10⅛—10¼	90.81—90.70	Sunday	Sunday	8⅛—8½	92.49—92.17	7—7⅛	93.46—93.35
30	10—10¼	90.91—90.70	9¾—9¾	91.12—91.12	Holiday	Holiday	7—7⅛	93.46—93.35
31	....	....	9⅞—10⅛	91.01—90.81	....	....	Sunday	Sunday

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1877.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	4⅞— 5¼	95.35—95.01	4⅜— 4½	95.81—95.69	Sunday	Sunday
2	6⅞— 7⅛	93.57—93.35	5 — 5⅜	95.24—94.90	4¼— 4¾	95.92—95.47	4⅞— 5	95.35—95.24
3	6⅞— 7⅛	93.57—93.35	5¼— 5⅝	95.01—94.67	4⅝— 4¾	95.58—95.47	4¾— 4⅞	95.47—95.35
4	6⅞— 7	93.57—93.46	Sunday	Sunday	Sunday	Sunday	4¾— 5	95.47—95.24
5	6½— 6¾	93.90—93.68	5½— 5¾	94.79—94.56	4⅝— 5	95.58—95.24	4⅞— 5	95.35—95.24
6	6¼— 6½	94.12—93.90	5¾— 6⅛	94.56—94.23	4⅞— 5	95.35—95.24	5 — 5	95.24—95.24
7	Sunday	Sunday	5½— 5⅝	94.79—94.67	5⅛— 5⅜	95.12—94.90	5 — 5	95.24—95.24
8	6⅛— 6⅜	94.23—94.01	5⅝— 5¾	94.67—94.56	5 — 5¼	95.24—95.01	Sunday	Sunday
9	5¾— 6¼	94.56—94.12	5¾— 5⅞	94.56—94.45	5 — 5¼	95.24—95.01	5 — 5¼	95.24—95.01
10	5⅝— 6¼	94.67—94.12	5⅝— 6	94.67—94.34	4¾— 5⅛	95.47—95.12	5⅛— 5½	95.12—94.79
11	5⅞— 6	94.45—94.34	Sunday	Sunday	Sunday	Sunday	5½— 5⅞	94.79—94.45
12	6 — 6⅜	94.34—94.01	5½— 5¾	94.79—94.56	4½— 4¾	95.69—95.47	5¾— 6⅛	94.56—94.23
13	6⅜— 6⅝	94.01—93.79	5½— 5⅝	94.79—94.67	4⅝— 4¾	95.58—95.47	5⅞— 6⅛	94.45—94.23
14	Sunday	Sunday	5½— 5⅝	94.79—94.67	4½— 4⅝	95.69—95.58	6⅜— 6⅞	94.01—93.57
15	6½— 6¾	93.90—93.68	5⅝— 5⅝	94.67—94.67	4⅝— 4¾	95.58—95.47	Sunday	Sunday
16	6⅝— 7	93.79—93.46	5⅝— 5¾	94.67—94.56	4⅝— 4⅞	95.58—95.35	7 — 7¾	93.46—92.81
17	6⅝— 6¾	93.79—93.68	5¾— 5⅞	94.56—94.45	4⅝— 4¾	95.58—95.47	6⅞— 7⅞	93.57—92.70
18	6¼— 6½	94.12—93.90	Sunday	Sunday	Sunday	Sunday	6½— 6⅞	93.90—93.57
19	6⅜— 6½	94.01—93.90	5½— 5⅞	94.79—94.45	4⅝— 4¾	95.58—95.47	6⅜— 6½	94.01—93.90
20	6½— 6⅝	93.90—93.79	5½— 5⅝	94.79—94.67	4⅝— 4¾	95.58—95.47	6⅜— 6½	94.01—93.90
21	Sunday	Sunday	4⅞— 5⅜	95.35—94.90	4¾— 4⅞	95.47—95.35	6⅝— 7	93.79—93.46
22	6⅜— 6½	94.01—93.90	Holiday	Holiday	4¾— 5	95.47—95.24	Sunday	Sunday
23	6¼— 6⅜	94.12—94.01	4¾— 5¼	95.47—95.01	4¾— 4⅞	95.47—95.35	7 — 7½	93.46—93.02
24	6 — 6¼	94.34—94.12	4⅞— 5⅛	95.35—95.12	4¾— 4⅞	95.47—95.35	7⅛— 7⅞	93.35—92.70
25	6 — 6⅛	94.34—94.23	Sunday	Sunday	Sunday	Sunday	7 — 7½	93.46—93.02
26	6⅛— 6⅜	94.23—94.01	4⅞— 5⅜	95.35—94.90	4¾— 4⅞	95.47—95.35	6⅝— 7⅛	93.79—93.35
27	6⅛— 6¼	94.23—94.12	4¾— 5	95.47—95.24	4¾— 4⅞	95.47—95.35	6⅞— 7⅛	93.57—93.35
28	Sunday	Sunday	4⅝— 4⅞	95.58—95.35	4¾— 4⅞	95.47—95.35	6⅞— 7⅛	93.57—93.35
29	5⅝— 6	94.67—94.34	....	....	4⅞— 5	95.35—95.24	Sunday	Sunday
30	5½— 5⅝	94.79—94.67	....	....	Holiday	Holiday	6⅝— 6⅞	93.79—93.57
31	5¼— 5½	95,01—94,79	....	....	5 — 5⅛	95,24—95,12	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1877.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	6¾— 6⅞	93.68—93.57	5⅞— 6⅜	94.45—94.01	Sunday	Sunday	5¼— 5⅜	95.01—94.90
2	6⅞— 7⅛	93.57—93.35	5⅝— 6	94.67—94.34	5¼— 5½	95.01—94.79	5⅜— 5⅜	94.90—94.90
3	6⅞— 7⅛	93.57—93.35	Sunday	Sunday	5¼— 5⅜	95.01—94.90	5⅜— 5½	94.90—94.79
4	6¾— 6⅞	93.68—93.57	5⅝— 5⅞	94.67—94.45	Holiday	Holiday	5⅜— 5½	94.90—94.79
5	6⅞— 7⅛	93.57—93.35	5¾— 5⅞	94.56—94.45	5¼— 5¼	95.01—95.01	Sunday	Sunday
6	Sunday	Sunday	5⅝— 5⅞	94.67—94.45	5¼— 5¼	95.01—95.01	5½— 5½	94.79—94.79
7	7⅛— 7⅜	93.35—93.13	5½— 5⅝	94.79—94.67	5¼— 5⅜	95.01—94.90	5⅜— 5½	94.90—94.79
8	6⅞— 7⅛	93.57—93.35	5¼— 5⅜	95.01—94.90	Sunday	Sunday	5¼— 5⅜	95.01—94.90
9	6⅞— 7⅛	93.57—93.35	5⅛— 5⅜	95.12—94.90	5⅜— 5⅜	94.90—94.90	5¼— 5⅜	95.01—94.90
10	7 — 7⅛	93.46—93.35	Sunday	Sunday	5⅜— 5⅜	94.90—94.90	5¼— 5¼	95.01—95.01
11	7 — 7⅜	93.46—93.13	4⅞— 5	95.35—95.24	5⅜— 5⅜	94.90—94.90	5¼— 5¼	95.01—95.01
12	7 — 7¼	93.46—93.24	4¾— 5⅛	95.47—95.12	5¼— 5⅜	95.01—94.90	Sunday	Sunday
13	Sunday	Sunday	4⅞— 5¼	95.35—95.01	5¼— 5⅜	95.01—94.90	5¼— 5¼	95.01—95.01
14	6⅞— 7⅛	93.57—93.35	5 — 5⅛	95.24—95.12	5¼— 5⅜	95.01—94.90	5¼— 5¼	95.01—95.01
15	7 — 7⅛	93.46—93.35	5 — 5⅛	95.24—95.12	Sunday	Sunday	5¼— 5⅜	95.01—94.90
16	7 — 7⅛	93.46—93.35	5 — 5⅛	95.24—95.12	5⅜— 5½	94.90—94.79	5¼— 5⅜	95.01—94.90
17	7 — 7⅛	93.46—93.35	Sunday	Sunday	5½— 5¾	94.79—94.56	5¼— 5⅜	95.01—94.90
18	6⅞— 7	93.57—93.46	5⅛— 5⅜	95.12—94.90	5½— 5⅝	94.79—94.67	5¼— 5⅜	95.01—94.90
19	6⅝— 6⅞	93.79—93.57	5¼— 5½	95.01—94.79	5⅛— 5½	95.12—94.79	Sunday	Sunday
20	Sunday	Sunday	5⅜— 5⅜	94.90—94.90	5⅛— 5⅜	95.12—94.90	5 — 5¼	95.24—95.01
21	6¾— 7	93.68—93.46	5⅜— 5⅝	94.90—94.67	5¼— 5½	95.01—94.79	4¾— 5	95.47—95.24
22	6⅞— 6⅞	93.57—93.57	5⅝— 5⅞	94.67—94.45	Sunday	Sunday	4½— 4⅞	95.69—95.35
23	6⅞— 7	93.57—93.46	5⅜— 5⅝	94.90—94.67	5½— 6⅛	94.79—94.23	4¼— 4½	95.92—95.69
24	6⅞— 7	93.57—93.46	Sunday	Sunday	5¾— 5⅞	94.56—94.45	4⅛— 4⅜	96.04—95.81
25	7 — 7	93.46—93.46	5¼— 5½	95.01—94.79	5⅝— 6	94.67—94.34	3⅞— 4⅛	96.27—96.04
26	6¾— 7	93.68—93.46	5⅛— 5⅜	95.12—94.90	5½— 5⅝	94.79—94.67	Sunday	Sunday
27	Sunday	Sunday	5 — 5⅛	95.24—95.12	5½— 5⅝	94.79—94.67	4 — 4¼	96.15—95.92
28	6½— 6⅞	93.90—93.57	5⅛— 5¼	95.12—95.01	5½— 5½	94.79—94.79	4¼— 4½	95.92—95.69
29	6⅝— 6¾	93.79—93.68	5⅛— 5¼	95.12—95.01	Sunday	Sunday	4⅛— 4⅜	96.04—95.81
30	Holiday	Holiday	5¼— 5⅜	95.01—94.90	5¼— 5⅝	95.01—94.67	4⅛— 4¼	96.04—95.92
31	6¼— 6½	94.12—93.90	....	....	5¼— 5⅜	95.01—94.90	4 — 4	96.15—96.15

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1877.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	3 ⅞— 4	96.27—96.15	3 — 3 ⅛	97.09—96.97	2 ¾— 2 ⅞	97.32—97.21	2 ⅞— 2 ⅞	97.21—97.21
2	Sunday	Sunday	2 ⅞— 3	97.21—97.09	2 ⅝— 2 ¾	97.44—97.32	Sunday	Sunday
3	3 ⅝— 3 ⅞	96.50—96.27	3 — 3	97.09—97.09	2 ⅝— 2 ⅝	97.44—97.44	2 ¾— 2 ⅞	97.32—97.21
4	3 ⅜— 3 ½	96.74—96.62	2 ¾— 3	97.32—97.09	Sunday	Sunday	2 ⅝— 2 ¾	97.44—97.32
5	3 ¼— 3 ⅜	96.85—96.74	2 ¾— 2 ⅞	97.32—97.21	2 ⅝— 2 ⅞	97.44—97.21	2 ½— 2 ¾	97.56—97.32
6	3 ¼— 3 ½	96.85—96.62	2 ½— 2 ¾	97.56—97.32	Holiday	Holiday	2 ½— 2 ⅝	97.56—97.44
7	3 ½— 3 ⅝	96.62—96.50	Sunday	Sunday	2 ¾— 3	97.32—97.09	2 ⅝— 2 ⅞	97.44—97.21
8	3 ⅜— 3 ⅝	96.74—96.50	2 ½— 2 ⅝	97.56—97.44	2 ⅞— 2 ⅞	97.21—97.21	2 ¾— 2 ¾	97.32—97.32
9	Sunday	Sunday	2 ½— 2 ¾	97.56—97.32	2 ¾— 2 ⅞	97.32—97.21	Sunday	Sunday
10	3 ⅜— 3 ½	96.74—96.62	2 ¾— 2 ⅞	97.32—97.21	2 ⅝— 2 ¾	97.44—97.32	2 ¾— 3 ⅛	97.32—96.97
11	3 ⅜— 3 ½	96.74—96.62	2 ⅞— 3 ⅛	97.21—96.97	Sunday	Sunday	3 — 3 ⅛	97.09—96.97
12	3 ¼— 3 ⅜	96.85—96.74	2 ⅞— 3 ⅛	97.21—96.97	2 ⅝— 2 ⅞	97.44—97.21	3 — 3 ¼	97.09—96.85
13	3 ¼— 3 ¼	96.85—96.85	2 ⅞— 3 ¼	97.21—96.85	2 ¾— 2 ¾	97.32—97.32	3 ¼— 3 ⅜	96.85—96.74
14	3 ¼— 3 ⅜	96.85—96.74	Sunday	Sunday	2 ⅝— 2 ⅝	97.44—97.44	2 ⅞— 3 ⅛	97.21—96.97
15	3 ⅛— 3 ¼	96.97—96.85	3 ⅛— 3 ⅜	96.97—96.74	2 ½— 2 ⅝	97.56—97.44	2 ⅝— 2 ⅞	97.44—97.21
16	Sunday	Sunday	2 ⅞— 3 ⅛	97.21—96.97	2 ½— 2 ¾	97.56—97.32	Sunday	Sunday
17	2 ⅞— 3 ⅛	97.21—96.97	2 ¾— 2 ⅞	97.32—97.21	2 ⅝— 2 ¾	97.44—97.32	2 ⅝— 2 ¾	97.44—97.32
18	2 ⅞— 3 ⅛	97.21—96.97	2 ⅝— 2 ¾	97.44—97.32	Sunday	Sunday	2 ¾— 2 ⅞	97.32—97.21
19	3 — 3 ¼	97.09—96.85	2 ¾— 2 ⅞	97.32—97.21	2 ¾— 2 ¾	97.32—97.32	2 ¾— 3	97.32—97.09
20	3 ⅛— 3 ¼	96.97—96.85	2 ¾— 2 ⅞	97.32—97.21	2 ¾— 2 ⅞	97.32—97.21	2 ¾— 2 ⅞	97.32—97.21
21	3 ⅛— 3 ⅛	96.97—96.97	Sunday	Sunday	2 ⅞— 3 ⅜	97.21—96.74	2 ⅝— 2 ¾	97.44—97.32
22	3 — 3 ⅛	97.09—96.97	2 ⅞— 3	97.21—97.09	2 ⅞— 3	97.21—97.09	2 ⅝— 2 ¾	97.44—97.32
23	Sunday	Sunday	2 ¾— 2 ⅞	97.32—97.21	2 ⅞— 3	97.21—97.09	Sunday	Sunday
24	3 ⅛— 3 ¼	96.97—96.85	2 ¾— 2 ¾	97.32—97.32	2 ⅞— 2 ⅞	97.21—97.21	2 ¾— 2 ¾	97.32—97.32
25	3 ⅛— 3 ¼	96.97—96.85	2 ¾— 2 ¾	97.32—97.32	Sunday	Sunday	Christmas	Christmas
26	3 ⅛— 3 ¼	96.97—96.85	2 ¾— 2 ¾	97.32—97.32	2 ⅞— 3	97.21—97.09	2 ¾— 2 ⅞	97.32—97.21
27	3 — 3 ⅛	97.09—96.97	2 ⅝— 2 ¾	97.44—97.32	2 ⅞— 3	97.21—97.09	2 ⅝— 2 ⅞	97.44—97.21
28	3 — 3	97.09—97.09	Sunday	Sunday	2 ¾— 3	97.32—97.09	2 ⅝— 2 ⅝	97.44—97.44
29	3 — 3 ⅛	97.09—96.97	2 ⅝— 2 ¾	97.44—97.32	Holiday	Holiday	2 ⅝— 2 ¾	97.44—97.32
30	Sunday	Sunday	2 ⅝— 2 ¾	97.44—97.32	2 ¾— 3	97.32—97.09	Sunday	Sunday
31	....	....	2 ⅝— 2 ⅞	97.44—97.21	....	....	2 ¾— 2 ⅞	97.32—97.21

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1878.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Holiday	Holiday	1⅞— 2	98.16—98.04	1⅞— 2	98.16—98.04	1⅛— 1¼	98.89—98.77
2	2¾— 2⅞	97.32—97.21	1⅞— 2	98.16—98.04	1⅝— 1¾	98.40—98.28	1⅛— 1¼	98.89—98.77
3	2⅝— 2¾	97.44—97.32	Sunday	Sunday	Sunday	Sunday	1⅛— 1⅛	98.89—98.89
4	2⅝— 2¾	97.44—97.32	2 — 2⅛	98.04—97.92	1⅜— 1⅝	98.64—98.40	1 — 1	99.01—99.01
5	2⅝— 2¾	97.44—97.32	2 — 2⅛	98.04—97.92	1¼— 1½	98.77—98.52	⅞— 1	99.13—99.01
6	Sunday	Sunday	1⅞— 2⅛	98.16—97.92	1¼— 1⅜	98.77—98.64	⅞— ⅞	99.13—99.13
7	2⅝— 2⅝	97.44—97.44	2 — 2⅛	98.04—97.92	1¼— 1¼	98.77—98.77	Sunday	Sunday
8	2½— 2⅝	97.56—97.44	2 — 2⅛	98.04—97.92	1¼— 1⅜	98.77—98.64	⅞— ⅞	99.13—99.13
9	2½— 2⅝	97.56—97.44	1⅞— 2	98.16—98.04	1 — 1¼	99.01—98.77	¾— ⅞	99.26—99.13
10	2½— 2⅝	97.56—97.44	Sunday	Sunday	Sunday	Sunday	⅝— ¾	99.38—99.26
11	2⅜— 2½	97.68—97.56	1⅞— 2	98.16—98.04	¾— 1	99.26—99.01	⅝— ¾	99.38—99.26
12	2⅛— 2⅜	97.92—97.68	2 — 2	98.04—98.04	⅞— ⅞	99.13—99.13	½— ⅝	99.50—99.38
13	Sunday	Sunday	2 — 2¼	98.04—97.80	⅞— 1⅛	99.13—98.89	¼— ½	99.75—99.50
14	2⅛— 2¼	97.92—97.80	2¼— 2⅜	97.80—97.68	1 — 1⅛	99.01—98.89	Sunday	Sunday
15	1⅞— 2⅛	98.16—97.92	2¼— 2⅜	97.80—97.68	1 — 1¼	99.01—98.77	⅛— ⅜	99.88—99.63
16	1⅞— 2⅛	98.16—97.92	2 — 2⅜	98.04—97.68	1¼— 1⅜	98.77—98.64	¼— ⅜	99.75—99.63
17	2 — 2⅛	98.04—97.92	Sunday	Sunday	Sunday	Sunday	¼— ⅜	99.75—99.63
18	1⅞— 2	98.16—98.04	1¾— 2	98.28—98.04	1¼— 1⅜	98.77—98.64	⅜— ⅜	99.63—99.63
19	1½— 1⅞	98.52—98.16	1⅝— 1¾	98.40—98.28	1⅛— 1¼	98.89—98.77	Good Friday	Good Friday
20	Sunday	Sunday	1¾— 1⅞	98.28—98.16	1⅛— 1¼	98.89—98.77	⅜— ½	99.63—99.50
21	1½— 1¾	98.52—98.28	1⅞— 2	98.16—98.04	1 — 1⅛	99.01—98.89	Sunday	Sunday
22	1½— 1⅝	98.52—98.40	Holiday	Holiday	1 — 1⅛	99.01—98.89	½— ½	99.50—99.50
23	1¼— 1½	98.77—98.52	2 — 2⅛	98.04—97.92	1⅛— 1⅛	98.89—98.89	½— ⅝	99.50—99.38
24	1⅜— 1½	98.64—98.52	Sunday	Sunday	Sunday	Sunday	½— ⅝	99.50—99.38
25	1⅜— 1½	98.64—98.52	1⅞— 2⅛	98.16—97.92	1⅛— 1¼	98.89—98.77	½— ½	99.50—99.50
26	1¼— 1½	98.77—98.52	1⅞— 2	98.16—98.04	1 — 1⅛	99.01—98.89	⅜— ½	99.63—99.50
27	Sunday	Sunday	1¾— 1⅞	98.28—98.16	1 — 1⅛	99.01—98.89	⅜— ⅜	99.63—99.63
28	1⅜— 1⅞	98.64—98.16	1¾— 1⅞	98.28—98.16	1⅛— 1⅜	98.89—98.64	Sunday	Sunday
29	1⅞— 2¼	98.16—97.80	....	....	1⅜— 1½	98.64—98.52	⅜— ⅜	99.63—99.63
30	2⅛— 2½	97.92—97.56	....	....	1¼— 1⅜	98.77—98.64	⅜— ⅜	99.63—99.63
31	1⅞— 2⅛	98.16—97.92	....	....	Sunday	Sunday	....	....

TABLE 1—(CONTINUED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1878.

	MAY		JUNE		JULY		AUGUST	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	⅜ — ⅜	99.63—99.63	⅞ — 1	99.13—99.01	⅝ — ¾	99.38—99.26	½ — ½	99.50—99.50
2	⅜ — ⅜	99.63—99.63	Sunday	Sunday	⅝ — ¾	99.38—99.26	½ — ½	99.50—99.50
3	⅜ — ⅜	99.63—99.63	¾ — ⅞	99.26—99.13	⅝ — ¾	99.38—99.26	½ — ½	99.50—99.50
4	⅜ — ⅜	99.63—99.63	¾ — ⅞	99.26—99.13	Holiday	Holiday	Sunday	Sunday
5	Sunday	Sunday	⅞ — ⅞	99.13—99.13	⅝ — ⅝	99.38—99.38	½ — ½	99.50—99.50
6	⅜ — ½	99.63—99.50	⅞ — 1	99.13—99.01	½ — ⅝	99.50—99.38	½ — ½	99.50—99.50
7	½ — ½	99.50—99.50	1 — 1	99.01—99.01	Sunday	Sunday	½ — ½	99.50—99.50
8	½ — ½	99.50—99.50	⅞ — 1	99.13—99.01	⅜ — ½	99.63—99.50	½ — ½	99.50—99.50
9	½ — ½	99.50—99.50	Sunday	Sunday	½ — ½	99.50—99.50	½ — ½	99.50—99.50
10	½ — ½	99.50—99.50	⅞ — 1	99.13—99.01	½ — ½	99.50—99.50	½ — ½	99.50—99.50
11	½ — ½	99.50—99.50	⅞ — 1	99.13—99.01	½ — ½	99.50—99.50	Sunday	Sunday
12	Sunday	Sunday	1 — 1	99.01—99.01	½ — ½	99.50—99.50	½ — ½	99.50—99.50
13	½ — ⅝	99.50—99.38	⅞ — 1	99.13—99.01	½ — ½	99.50—99.50	½ — ⅝	99.50—99.38
14	⅝ — ¾	99.38—99.26	¾ — ⅞	99.26—99.13	Sunday	Sunday	⅝ — ¾	99.38—99.26
15	¾ — ⅞	99.26—99.13	¾ — ⅞	99.26—99.13	½ — ½	99.50—99.50	⅝ — ¾	99.38—99.26
16	¾ — ⅞	99.26—99.13	Sunday	Sunday	½ — ⅝	99.50—99.38	⅝ — ⅝	99.38—99.38
17	¾ — ¾	99.26—99.26	¾ — ¾	99.26—99.26	⅝ — ⅝	99.38—99.38	½ — ⅝	99.50—99.38
18	¾ — ⅞	99.26—99.13	⅝ — ¾	99.38—99.26	½ — ⅝	99.50—99.38	Sunday	Sunday
19	Sunday	Sunday	⅝ — ¾	99.38—99.26	½ — ⅝	99.50—99.38	½ — ⅝	99.50—99.38
20	¾ — ⅞	99.26—99.13	⅝ — ¾	99.38—99.26	½ — ⅝	99.50—99.38	½ — ⅝	99.50—99.38
21	¾ — ⅞	99.26—99.13	⅝ — ⅝	99.38—99.38	Sunday	Sunday	½ — ⅝	99.50—99.38
22	¾ — ¾	99.26—99.26	⅝ — ⅝	99.38—99.38	½ — ½	99.50—99.50	½ — ½	99.50—99.50
23	¾ — ⅞	99.26—99.13	Sunday	Sunday	½ — ½	99.50—99.50	½ — ½	99.50—99.50
24	⅞ — 1	99.13—99.01	⅝ — ⅝	99.38—99.38	½ — ⅝	99.50—99.38	½ — ½	99.50—99.50
25	⅞ — 1	99.13—99.01	⅝ — ⅝	99.38—99.38	½ — ⅝	99.50—99.38	Sunday	Sunday
26	Sunday	Sunday	⅝ — ⅝	99.38—99.38	½ — ½	99.50—99.50	½ — ½	99.50—99.50
27	⅞ — 1	99.13—99.01	⅝ — ¾	99.38—99.26	½ — ½	99.50—99.50	½ — ½	99.50—99.50
28	1 — 1¼	99.01—98.77	⅝ — ¾	99.38—99.26	Sunday	Sunday	½ — ½	99.50—99.50
29	1 — 1⅛	99.01—98.89	⅝ — ¾	99.38—99.26	½ — ½	99.50—99.50	½ — ⅝	99.50—99.38
30	Holiday	Holiday	Sunday	Sunday	½ — ½	99.50—99.50	½ — ⅝	99.50—99.38
31	1 — 1⅛	99.01—98.89	....	....	½ — ½	99.50—99.50	½ — ⅝	99.50—99.38

TABLE 1—(CONCLUDED).

Daily highest and lowest premium on gold and price of greenbacks in gold.

1878.

	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold	Premium on Gold	Price of Greenbacks in Gold
1	Sunday	Sunday	⅜ — ⅜	99.63—99.63	¼ — ⅜	99.75—99.63	Sunday	Sunday
2	½ — ½	99.50—99.50	⅜ — ⅜	99.63—99.63	¼ — ¼	99.75—99.75	¼ — ½	99.75—99.50
3	½ — ½	99.50—99.50	⅜ — ½	99.63—99.50	Sunday	Sunday	¼ — ¼	99.75—99.75
4	⅜ — ½	99.63—99.50	⅜ — ½	99.63—99.50	¼ — ¼	99.75—99.75	¼ — ¼	99.75—99.75
5	⅜ — ⅜	99.63—99.63	½ — ½	99.50—99.50	Holiday	Holiday	⅛ — ¼	99.88—99.75
6	¼ — ⅜	99.75—99.63	Sunday	Sunday	¼ — ¼	99.75—99.75	⅛ — ¼	99.88—99.75
7	⅜ — ⅜	99.63—99.63	⅝ — ¾	99.38—99.26	⅛ — ¼	99.88—99.75	⅛ — ¼	99.88—99.75
8	Sunday	Sunday	⅝ — ¾	99.38—99.26	⅛ — ¼	99.88—99.75	Sunday	Sunday
9	¼ — ¼	99.75—99.75	⅝ — ¾	99.38—99.26	⅛ — ⅛	99.88—99.88	⅛ — ¼	99.88—99.75
10	⅛ — ¼	99.88—99.75	¾ — 1	99.26—99.01	Sunday	Sunday	⅛ — ⅛	99.88—99.88
11	⅛ — ¼	99.88—99.75	¾ — 1⅛	99.26—98.89	⅛ — ⅛	99.88—99.88	⅛ — ⅛	99.88—99.88
12	¼ — ¼	99.75—99.75	1 — 1⅜	99.01—98.64	⅛ — ⅛	99.88—99.88	⅛ — ⅛	99.88—99.88
13	¼ — ⅜	99.75—99.63	Sunday	Sunday	⅛ — ⅛	99.88—99.88	⅛ — ⅛	99.88—99.88
14	⅜ — ⅜	99.63—99.63	¾ — 1⅜	99.26—98.64	⅛ — ⅛	99.88—99.88	⅛ — ⅛	99.88—99.88
15	Sunday	Sunday	½ — ⅝	99.50—99.38	⅛ — ⅛	99.88—99.88	Sunday	Sunday
16	⅜ — ⅜	99.63—99.63	½ — ⅝	99.50—99.38	⅛ — ⅛	99.88—99.88	⅛ — ⅛	99.88—99.88
17	⅜ — ⅜	99.63—99.63	½ — ⅝	99.50—99.38	Sunday	Sunday	0 — ⅛	100.00—99.88
18	⅜ — ⅜	99.63—99.63	½ — ⅝	99.50—99.38	⅛ — ⅛	99.88—99.88	0 — 0	100.00—100.00
19	⅜ — ½	99.63—99.50	⅜ — ½	99.63—99.50	⅛ — ⅛	99.88—99.88	0 — 0	100.00—100.00
20	½ — ½	99.50—99.50	Sunday	Sunday	⅛ — ⅛	99.88—99.88	0 — 0	100.00—100.00
21	⅜ — ½	99.63—99.50	½ — ⅝	99.50—99.38	⅛ — ⅛	99.88—99.88	0 — 0	100.00—100.00
22	Sunday	Sunday	½ — ⅝	99.50—99.38	⅛ — ⅛	99.88—99.88	Sunday	Sunday
23	⅜ — ½	99.63—99.50	½ — ½	99.50—99.50	⅛ — ⅛	99.88—99.88	0 — 0	100.00—100.00
24	⅜ — ⅜	99.63—99.63	⅜ — ½	99.63—99.50	Sunday	Sunday	0 — 0	100.00—100.00
25	⅜ — ⅜	99.63—99.63	⅜ — ½	99.63—99.50	⅛ — ¼	99.88—99.75	Christmas	Christmas
26	⅜ — ⅜	99.63—99.63	⅜ — ⅜	99.63—99.63	⅛ — ¼	99.88—99.75	0 — 0	100.00—100.00
27	⅜ — ⅜	99.63—99.63	Sunday	Sunday	⅛ — ¼	99.88—99.75	0 — 0	100.00—100.00
28	⅜ — ⅜	99.63—99.63	⅜ — ⅜	99.63—99.63	Thanksgiving	Thanksgiving	0 — 0	100.00—100.00
29	Sunday	Sunday	⅜ — ⅜	99.63—99.63	⅛ — ¼	99.88—99.75	Sunday	Sunday
30	⅜ — ⅜	99.63—99.63	¼ — ⅜	99.75—99.63	⅛ — ½	99.88—99.50	0 — 0	100.00—100.00
31	....	....	¼ — ¼	99.75—99.75	....	....	0 — 0	100.00—100.00

TABLE 2.

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

NOTE.—The following table gives in detail the quarterly series of relative prices at wholesale used in Chapter II. The arrangement of the series is alphabetical. The references are to the pages of the *Aldrich Report,* Parts 2 and 4, where the original series of actual prices may be found. The series for wool, however, are based upon Mauger and Avery's table, published in the *Statistical Abstract of the United States,* 1905, p. 538. The ''base prices'' are the actual prices in January, 1860 in most cases. But in the case of lumber and a few other articles they are actual prices in July or October, 1860, and in the case of agricultural products they are averages of the actual prices for the months of 1860 covered by the data. By noticing what month in 1860 has a relative price of 100 one can distinguish these cases. When the sum of the relative prices for the four quarters of 1860 is 400, the ''base price'' is the average of the actual prices. The asterisks at the heads of certain columns show what series were grouped to form series of average relative prices. The series so marked were not used in compiling the tables of the text; but the series of average relative prices made from them were used. For further explanations see Chapter II, Section i.

TABLE 2.

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Alcohol	Alum	Barley			Beans	Bichromate of Potash	Blue Vitriol	Boston Crackers				Brick
Market			N.Y.	Chicago	Av.				No.1	No.2	Extra grade	Av.	common domestic bldg.
Refer.	245	246	2	3		65	247	249	67	68	69		221
Unit	gal.	lb.	bu.	bu.		bu.	lb.	lb.	lb.	lb.	lb.		M.
Base	$	$	$	$		$	$	$	$	$	$		$
price	.54	.0225	.7983	.59⅛		1.875	.21	.095	.07	.085	.12		4.375
1860			*	*					*	*	*		
Jan.	100	100	103	101	102	100	100	100	100	100	100	100	114
Apr.	85	106	100	117	109	93	95	97	100	100	100	100	97
July	82	100	—	93	93	93	100	97	100	100	100	100	100
Oct.	85	100	96	89	93	120	100	95	100	100	100	100	103
1861													
Jan.	74	94	90	64	77	100	100	95	107	118	117	114	103
Apr.	67	94	88	71	80	103	100	87	107	124	117	116	91
July	63	94	94	34	64	120	100	89	100	129	117	115	80
Oct.	74	94	81	59	70	120	95	95	100	129	117	115	86
1862													
Jan.	74	94	94	59	77	137	100	95	107	135	117	120	86
Apr.	89	100	113	80	97	117	95	95	107	141	121	123	91
July	107	100	—	101	101	173	98	95	100	147	121	123	91
Oct.	122	133	75	131	103	153	95	100	100	147	121	123	94
1863													
Jan.	143	156	166	161	164	146	105	121	107	165	142	138	137
Apr.	174	167	191	186	189	153	114	158	107	153	133	131	140
July	161	167	—	195	195	180	114	134	107	147	133	129	137
Oct.	193	133	163	181	172	130	107	142	107	147	129	128	149
1864													
Jan.	343	161	178	205	192	161	114	142	186	153	133	157	206
Apr.	380	161	165	233	199	147	119	168	186	159	137	161	171
July	657	200	—	233	233	147	133	190	186	159	137	161	160
Oct.	639	267	232	248	240	147	133	221	186	159	137	161	217
1865													
Jan.	815	256	257	220	239	173	143	192	186	118	117	140	211
Apr.	796	222	202	165	184	143	133	179	186	129	117	144	217
July	759	189	163	101	132	107	105	147	157	129	117	134	171
Oct.	833	183	160	129	145	120	105	142	157	118	117	131	263
1866													
Jan.	824	200	135	110	123	153	114	158	171	106	100	126	274
Apr.	833	189	153	89	121	127	119	126	171	106	100	126	274
July	815	172	135	76	106	153	117	147	171	106	100	126	234
Oct.	880	178	175	140	158	180	105	132	171	106	100	126	263
1867													
Jan.	861	144	119	118	119	207	95	126	186	106	100	131	274
Apr.	648	167	130	144	137	193	95	105	186	106	100	131	234
July	870	156	143	106	125	233	86	105	186	106	100	131	223
Oct.	741	161	185	189	187	220	93	97	186	106	100	131	257
1868													
Jan.	787	161	244	296	270	223	90	103	171	106	100	126	286
Apr.	787	156	279	398	339	293	88	100	171	106	100	126	286
July	435	156	266	254	260	360	88	105	157	106	100	121	257
Oct.	500	156	241	296	269	233	88	105	157	106	100	121	251
1869													
Jan.	361	150	266	266	266	227	82	103	143	106	100	116	360
Apr.	343	144	254	271	263	200	81	137	143	106	100	116	377
July	361	167	194	245	220	180	90	147	143	106	100	116	183
Oct.	444	139	172	203	188	180	68	137	143	106	100	116	177

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Alcohol	Alum	Barley			Beans	Bichromate of Potash	Blue Vitriol	Boston Crackers				Brick
Market			N.Y.	Chicago	Av.				No.1	No. 2	extra grade	Av.	
			*	*					*	*	*		
1870													
Jan.	352	144	150	129	140	147	70	132	143	106	100	116	—
Apr.	367	144	113	93	103	123	67	100	143	106	100	116	211
July	380	139	113	152	133	127	67	100	114	106	100	107	171
Oct.	324	139	138	159	149	137	65	92	114	106	100	107	194
1871													
Jan.	343	139	106	118	112	133	60	92	129	94	83	102	217
Apr.	337	133	125	147	136	140	61	87	129	94	83	102	200
July	333	122	132	125	129	153	81	89	129	94	83	102	189
Oct.	361	117	116	102	109	153	114	111	129	88	75	97	234
1872													
Jan.	343	144	113	103	108	153	105	105	129	88	75	97	251
Apr.	324	144	99	85	92	183	93	116	129	88	75	97	269
July	330	144	91	88	90	193	92	126	129	88	75	97	194
Oct.	326	144	132	112	122	187	105	118	129	88	75	97	211
1873													
Jan.	361	144	132	110	121	193	100	118	129	82	75	95	206
Apr.	333	139	143	130	137	180	105	126	129	88	75	97	194
July	333	144	163	87	125	167	102	121	129	88	75	97	171
Oct.	367	161	172	220	196	187	85	124	129	82	75	95	177
1874													
Jan.	352	156	194	240	217	193	81	111	129	82	75	95	160
Apr.	346	144	207	257	232	180	88	111	129	82	75	95	177
July	352	144	—	195	195	167	90	108	129	82	75	95	171
Oct.	394	133	147	169	158	130	86	105	129	82	75	95	160
1875													
Jan.	359	122	175	211	193	133	83	100	114	82	88	95	194
Apr.	407	117	153	176	165	123	90	105	114	82	88	95	177
July	432	111	144	203	174	121	89	89	114	82	88	95	143
Oct.	426	117	144	174	159	119	86	89	114	82	88	95	137
1876													
Jan.	398	117	125	135	130	95	80	89	114	82	88	95	160
Apr.	394	111	135	102	119	79	73	89	114	82	88	95	149
July	391	117	113	97	105	79	95	105	114	82	88	95	114
Oct.	393	117	124	141	133	104	76	82	114	82	88	95	114
1877													
Jan.	393	117	98	113	106	160	69	76	114	82	88	95	114
Apr.	385	111	110	94	102	150	64	84	114	82	88	95	131
July	391	111	97	110	104	161	55	84	114	82	88	95	103
Oct.	396	111	106	101	104	124	60	82	114	82	88	95	103
1878													
Jan.	382	100	101	97	99	116	58	79	114	71	75	87	114
Apr.	378	100	83	77	80	91	57	76	114	71	75	87	126
July	378	100	90	82	86	95	55	74	114	65	71	83	100
Oct.	380	100	141	188	165	104	67	67	114	65	71	83	103
1879													
Jan.	370	100	121	161	141	84	67	68	114	82	88	95	126
Apr.	370	83	94	118	106	84	62	53	114	82	88	95	120
July	370	83	—	118	118	79	55	58	114	82	88	95	83
Oct.	380	78	125	124	125	91	54	61	114	82	88	95	131
1880													
Jan.	393	94	94	152	123	99	76	79	114	82	88	95	189
Apr.	382	89	94	124	109	89	74	89	114	82	88	95	189
July	385	83	—	127	127	96	60	87	114	82	88	95	126
Oct.	398	89	113	125	119	97	55	79	114	82	88	95	137

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Brimstone	Butter	Butts	Candles	Carpets				Cement	Cheese	Chestnut	Clover Seed	
	Crude		loose-joint cast, 3x3 in.	best adamantine	Brussels	Ingrain	Wilton	Av.	Rosendale		Lumber in log		
Market												N.York	Chicago
Refer.	250	73	183	172	125	126	127		223	74	224	7	5
Unit	ton	lb.	doz. prs.	lb.	yd.	yd.	yd.		bbl.	lb.	M. ft.	lb.	bu.
Base	$	$	$	$	$	$	$		$	$	$	$	$
price	45.00	.21	.57	.27	1.30	.7077	1.85		1.00	.10	12.00	.085⅝	4.37½
1860					*	*	*					*	*
Jan.	100	100	100	100	100	100	—	100	80	100	100	103	99
Apr.	100	81	100	100	96	100	100	99	100	110	100	94	88
July	122	81	93	96	92	99	97	96	100	75	100	—	99
Oct.	129	95	90	96	92	98	97	96	100	100	104	103	114
1861													
Jan.	133	81	90	96	92	101	97	97	100	100	104	103	102
Apr.	96	86	90	96	96	95	100	97	90	90	108	91	89
July	89	62	90	96	96	95	100	97	90	60	108	91	89
Oct.	89	64	90	96	96	93	100	96	90	60	108	—	92
1862													
Jan.	133	90	90	93	100	107	105	104	90	70	117	84	85
Apr.	96	98	90	89	100	109	105	105	90	75	125	98	105
July	98	74	112	89	108	119	108	112	90	65	133	89	83
Oct.	107	90	133	89	115	123	116	118	90	80	133	89	102
1863													
Jan.	111	117	133	96	135	149	132	139	90	110	133	126	124
Apr.	122	119	133	100	165	175	151	164	120	145	133	117	107
July	111	93	140	100	154	166	151	157	120	105	133	—	120
Oct.	117	114	140	100	146	155	143	148	120	120	133	149	120
1864													
Jan.	128	145	179	100	165	179	162	169	120	140	133	161	143
Apr.	131	231	207	100	173	197	173	181	140	170	133	183	139
July	189	157	267	104	269	299	270	279	150	150	133	—	161
Oct.	167	202	309	148	269	251	270	263	160	205	133	251	193
1865													
Jan.	222	250	309	148	269	261	270	267	160	225	133	326	309
Apr.	200	150	309	148	192	208	203	201	160	210	133	294	298
July	139	143	277	111	192	220	203	205	150	125	133	343	161
Oct.	133	205	277	111	212	241	216	223	175	150	133	274	163
1866													
Jan.	100	202	277	122	212	242	216	223	175	180	133	158	160
Apr.	151	250	277	111	200	242	203	215	175	215	133	114	123
July	89	195	277	111	200	243	203	215	175	190	133	137	—
Oct.	93	198	277	111	212	242	216	223	175	145	133	137	183
1867													
Jan.	89	183	277	111	212	240	216	223	175	145	100	161	183
Apr.	89	150	277	111	200	214	203	206	175	190	100	190	223
July	87	129	277	111	200	214	203	206	150	150	100	140	—
Oct.	87	160	249	111	200	210	203	204	175	145	100	155	183
1868													
Jan.	87	202	225	111	185	179	189	184	175	145	100	140	169
Apr.	84	250	225	111	185	180	189	185	175	165	100	143	143
July	82	150	181	111	185	186	189	187	175	145	100	123	139
Oct.	144	221	181	111	192	186	203	194	175	160	100	166	171
1869													
Jan.	111	221	181	111	192	173	203	189	190	190	100	152	202
Apr.	93	210	209	111	192	175	203	190	200	220	100	178	203
July	106	171	181	111	192	179	203	191	200	160	100	158	—
Oct.	100	186	181	111	192	179	203	191	200	155	100	158	206

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Brimstone	Butter	Butts	Candles	Carpets				Cement	Cheese	Chestnut	Clover Seed	
Market	Crude				Brussels	Ingrain	Wilton	Av.			Lumber	N. Y.	Chicago
1870					*	*	*					*	*
Jan.	104	179	149	111	192	165	203	187	200	175	100	161	183
Apr.	102	174	135	104	154	153	162	156	200	140	100	155	209
July	100	131	135	104	154	154	162	157	190	130	100	166	—
Oct.	100	176	104	104	154	156	162	157	190	133	100	166	137
1871													
Jan.	100	179	98	104	154	153	162	156	190	140	100	136	146
Apr.	78	167	98	104	154	155	162	157	175	130	100	114	131
July	78	126	142	104	165	171	176	171	175	118	100	123	137
Oct.	78	143	142	104	165	177	176	173	175	130	100	127	126
1872													
Jan.	76	152	142	104	165	171	176	171	175	133	100	127	137
Apr.	78	162	104	104	165	183	176	175	160	190	100	111	114
July	76	114	204	104	165	181	176	174	160	110	100	115	118
Oct.	76	131	188	104	165	181	176	174	160	133	100	118	120
1873													
Jan.	100	145	174	104	162	159	176	166	160	133	103	109	114
Apr.	78	167	158	104	162	161	176	166	175	160	103	99	109
July	73	129	168	104	162	150	176	163	175	118	103	104	109
Oct.	78	131	158	104	154	154	176	161	175	133	103	120	131
1874													
Jan.	76	145	158	104	154	145	176	158	175	133	104	111	130
Apr.	78	179	109	104	154	151	176	160	150	160	104	120	135
July	82	126	109	104	154	152	176	161	140	118	104	118	141
Oct.	82	179	123	93	154	127	176	152	130	145	104	121	131
1875													
Jan.	80	174	118	93	154	131	176	154	130	150	104	119	129
Apr.	83	119	118	93	154	132	176	154	120	158	102	131	144
July	78	124	133	93	154	135	176	155	120	118	102	133	151
Oct.	84	160	133	82	162	140	168	157	120	133	102	153	151
1876													
Jan.	77	148	130	82	154	131	168	151	120	128	100	158	162
Apr.	73	174	130	82	154	132	162	149	120	133	100	196	215
July	70	117	130	82	154	116	162	144	120	103	100	187	211
Oct.	70	150	140	82	154	111	162	142	120	125	100	146	160
1877													
Jan.	64	150	123	78	135	116	154	135	120	143	100	180	200
Apr.	60	126	114	74	135	113	154	134	120	145	100	177	189
July	62	100	100	70	119	116	154	130	100	95	100	166	149
Oct.	52	140	88	70	119	114	154	129	100	128	100	107	117
1878													
Jan.	61	150	75	70	119	107	154	127	100	128	100	96	109
Apr.	58	155	75	70	119	105	154	126	90	125	100	85	94
July	60	90	75	70	113	105	149	122	90	70	100	92	97
Oct.	58	121	63	63	113	98	149	120	90	88	100	82	101
1879													
Jan.	56	124	70	63	110	89	138	112	90	85	100	79	89
Apr.	52	102	77	63	110	88	138	112	90	70	100	73	81
July	53	74	63	59	106	93	135	111	100	50	100	80	87
Oct.	58	126	91	59	106	96	135	112	100	103	—	108	102
1880													
Jan.	61	157	139	59	106	118	132	119	100	125	—	105	114
Apr.	58	155	186	59	127	136	149	137	110	145	—	82	82
July	54	98	126	59	127	121	149	132	110	78	—	83	91
Oct.	73	148	126	56	127	120	149	132	100	128	100	99	102

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880

Commodity	Clover Seed	Coal—anthracite					Coal	Copper	Copper	Copperas	Corn	Cotton	
	Av.	Chest-nut	Egg	Grate	Stove	Av.	Bitum-inous	Ingot	Sheet			Upland middl'g	Upland middl'g
Market											N.York		N.York
Refer.		172	173	175	177		178	185	186	253	8	134	11
Unit		ton	ton	ton	ton		on	lb.	lb.	lb.	bu.	lb.	lb.
Base		$	$	$	$		$	$	$	$	$	$	$
price		3.15	3.80	3.70	3.90		5.00	.23½	.295	.01	.729⅜	.11	.10875
1860		*	*	*	*							*	*
Jan.	101	100	100	100	100	100	100	100	100	100	122	100	102
Apr.	91	—	100	100	—	100	105	98	100	125	97	101	101
July	99	92	97	97	99	96	102	89	100	125	87	98	98
Oct.	109	108	112	112	103	109	105	90	100	125	94	98	100
1861													
Jan.	103	98	105	116	117	109	108	81	100	125	97	109	115
Apr.	90	103	93	111	95	101	96	81	93	125	88	117	117
July	90	95	97	97	99	100	92	77	93	125	65	134	137
Oct.	92	108	97	103	97	101	97	87	93	113	75	196	198
1862													
Jan.	85	95	97	108	99	100	97	113	93	150	89	327	345
Apr.	102	86	92	92	92	91	135	94	103	125	79	250	255
July	86	83	93	91	94	90	122	98	103	125	75	336	356
Oct.	96	86	95	86	95	91	180	119	103	150	82	509	520
1863													
Jan.	125	92	99	103	100	99	160	132	129	200	109	614	621
Apr.	112	187	155	159	151	163	150	130	144	200	126	664	671
July	120	190	168	169	167	174	150	130	136	175	103	627	634
Oct.	135	190	204	196	201	198	160	138	129	150	119	768	777
1864													
Jan.	152	198	230	216	244	222	173	161	163	175	178	736	745
Apr.	161	—	—	—	—	—	180	172	178	175	178	691	699
July	161	294	263	264	263	271	199	198	195	188	217	1400	1420
Oct.	222	230	224	230	224	227	233	200	237	250	217	1091	1110
1865													
Jan.	318	270	250	243	244	252	256	209	220	238	257	1091	1100
Apr.	296	—	—	—	—	—	250	145	169	200	196	318	368
July	252	198	184	186	180	187	165	121	153	150	102	455	405
Oct.	219	310	276	284	276	287	200	138	169	250	125	400	451
1866													
Jan.	159	325	303	304	301	308	200	174	186	200	127	468	469
Apr.	119	—	—	—	—	—	193	126	169	225	106	359	349
July	137	190	191	193	192	192	185	140	153	200	120	327	322
Oct.	160	—	—	—	—	—	155	130	153	200	130	382	363
1867													
Jan.	172	183	164	162	179	172	189	119	136	200	159	323	326
Apr.	207	136	134	142	135	137	155	99	122	150	167	273	253
July	140	—	—	—	—	—	150	99	119	150	136	241	239
Oct.	169	136	124	127	128	129	150	109	119	163	181	195	198
1868													
Jan.	155	—	—	—	—	—	170	89	119	150	193	152	154
Apr.	143	—	—	—	—	—	135	97	112	138	169	264	267
July	131	135	116	116	122	122	135	96	112	138	140	293	294
Oct.	169	152	147	149	154	151	135	100	112	200	155	245	246
1869													
Jan.	177	—	—	—	—	—	155	101	112	200	148	236	239
Apr.	191	151	132	131	135	137	140	100	119	175	129	261	263
July	158	210	179	184	179	188	145	94	112	200	138	314	317
Oct.	182	—	—	—	—	—	145	93	112	175	133	245	253

TABLE 2—(Continued).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Clover Seed	Coal—anthracite					Coal	Copper	Copper	Copperas	Corn	Cotton	
Market	Av.	Chestnut	Egg	Grate	Stove	Av.	Bituminous	Ingot	Sheet				N. Y.
1870		*	*	*	*							*	*
Jan.	172	—	—	—	—	—	145	93	112	188	153	231	233
Apr.	182	143	132	128	147	138	140	83	105	200	141	207	209
July	166	143	129	127	133	133	125	85	102	200	132	186	188
Oct.	152	143	129	128	135	134	125	91	108	175	119	148	155
1871													
Jan.	141	136	121	119	131	127	157	96	108	175	105	139	140
Apr.	123	—	—	—	—	—	125	90	108	150	114	138	139
July	130	151	142	138	147	145	125	93	108	150	98	189	192
Oct.	127	167	147	146	160	155	125	102	115	150	104	182	182
1872													
Jan.	132	159	138	135	154	147	140	117	122	150	107	185	185
Apr.	113	132	113	114	119	120	140	170	146	150	98	214	215
July	117	119	101	97	106	106	128	140	153	138	88	234	237
Oct.	119	135	117	115	122	122	128	140	153	138	88	173	172
1873													
Jan.	112	138	121	118	129	127	127	145	153	125	91	186	191
Apr.	104	141	126	126	128	130	143	145	153	125	89	180	184
July	107	151	134	134	136	139	141	121	136	125	75	191	193
Oct.	126	160	142	142	144	147	141	106	136	150	91	166	169
1874													
Jan.	121	160	142	142	146	148	141	106	119	125	113	148	149
Apr.	128	140	130	130	138	135	136	104	119	125	117	155	156
July	130	151	139	139	149	145	133	104	119	138	105	161	162
Oct.	126	165	151	151	160	157	133	91	102	138	131	139	142
1875													
Jan.	124	170	155	155	164	161	133	99	102	125	127	131	133
Apr.	138	140	130	130	138	135	120	90	105	125	119	151	153
July	142	152	141	141	149	146	120	98	105	125	111	140	141
Oct.	152	157	149	142	156	151	120	98	105	125	91	120	121
1876													
Jan.	160	157	149	142	156	151	115	99	105	100	93	120	122
Apr.	206	146	124	124	136	133	115	97	108	100	92	122	123
July	199	151	128	128	140	137	98	84	108	75	79	109	109
Oct.	153	114	88	89	105	99	98	87	108	88	78	100	101
1877													
Jan.	190	122	86	85	105	100	106	83	108	125	83	115	116
Apr.	183	103	78	78	86	86	102	82	108	100	76	105	107
July	158	84	70	72	71	74	89	81	102	88	80	110	113
Oct.	112	94	78	77	78	82	86	78	102	88	80	102	102
1878													
Jan.	103	97	74	72	80	81	85	75	95	88	88	102	104
Apr.	90	106	91	91	96	96	80	72	95	88	76	97	95
July	95	110	95	93	104	101	85	69	95	100	62	104	105
Oct.	92	108	92	92	99	98	90	68	85	88	67	95	99
1879													
Jan.	84	103	83	85	95	92	90	68	85	88	65	86	87
Apr.	77	71	57	58	64	63	75	68	81	88	62	98	98
July	84	83	64	65	71	71	90	69	81	88	60	113	114
Oct.	105	78	61	60	64	66	100	80	102	88	72	98	95
1880													
Jan.	110	113	80	81	92	92	100	90	102	88	86	116	115
Apr.	82	122	101	104	99	107	108	94	102	88	75	118	120
July	87	122	101	104	105	108	103	81	95	100	69	107	109
Oct.	101	125	107	104	110	112	98	80	95	88	71	105	106

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Cotton	Cotton Textiles									Eggs	Fish—Cod[1]	Flax Seed
	Av.	Cocheco Prints	Denims	Drillings	Print cloths metacomet	Print cloths Standard	Shirtings bl'ch'd	Sheetings brown	Tickings	Av.			
Market Refer.		124	135	136	151	152	159	155	165		76	77	254
Unit		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.		doz.	lb.	bu.
Base		$	$	$	$	$	$	$	$		$	$	$
Price		.095	.145	.0846	.05375	.05625	.1457	.08	.17		.174375	.04	1.63
1860		*	*	*	*	*	*	*	*				*
Jan.	101	100	100	100	100	100	100	100	100	100	149	100	100
Apr.	101	105	103	97	100	98	100	103	100	101	89	100	98
July	98	100	103	100	100	100	100	103	100	101	79	113	103
Oct.	99	100	103	100	100	98	100	103	100	101	83	125	101
1861													
Jan.	112	100	103	97	86	84	97	103	96	96	103	125	89
Apr.	117	95	103	97	79	78	97	103	96	94	89	125	86
July	136	95	103	97	77	80	97	106	99	94	65	125	92
Oct.	197	105	105	117	105	107	103	135	101	110	75	125	92
1862													
Jan.	336	132	124	146	107	160	110	165	122	133	135	125	110
Apr.	253	126	136	146	126	129	116	165	132	135	75	125	135
July	346	132	138	157	156	153	129	188	137	149	69	300	107
Oct.	515	179	210	292	251	220	167	297	212	229	83	125	117
1863													
Jan.	618	211	259	309	279	253	210	356	266	268	115	150	172
Apr.	668	—	—	393	298	258	210	445	—	321	135	125	245
July	631	—	—	309	260	258	232	416	—	295	112	150	147
Oct.	773	—	—	404	295	280	237	445	—	332	115	150	147
1864													
Jan.	741	253	379	449	316	302	267	505	—	353	166	200	184
Apr.	695	263	397	449	300	289	284	475	416	359	120	175	215
July	1410	421	426	702	593	524	468	831	413	547	146	200	221
Oct.	1101	358	607	730	480	569	307	683	618	544	166	—	199
1865													
Jan.	1096	389	464	674	537	480	411	712	451	515	252	388	230
Apr.	343	211	412	337	188	178	271	463	412	309	106	225	169
July	430	289	424	337	360	338	290	386	469	362	152	450	117
Oct.	426	316	455	404	454	484	355	398	472	417	163	200	178
1866													
Jan.	469	284	374	365	361	347	321	392	463	363	224	313	178
Apr.	354	221	350	270	249	236	315	297	426	296	135	250	153
July	325	221	343	275	267	258	281	273	349	283	135	200	190
Oct.	373	216	334	270	274	249	290	261	347	280	158	200	199
1867													
Jan.	325	200	269	253	226	213	261	261	341	253	215	250	160
Apr.	263	189	247	236	188	182	261	238	279	228	138	200	175
July	240	168	233	202	165	160	228	205	263	203	109	250	196
Oct.	197	168	198	196	149	133	179	196	228	181	166	—	175
1868													
Jan.	153	142	172	168	121	116	183	178	222	163	258	250	141
Apr.	266	147	184	180	156	164	183	226	201	180	158	200	172
July	294	142	202	191	177	158	183	208	201	183	146	200	160
Oct.	246	142	193	194	142	131	163	184	190	167	175	—	172
1869													
Jan.	238	142	186	185	149	160	179	190	182	172	238	200	153
Apr.	262	147	197	191	147	140	179	190	193	173	166	200	169
July	316	147	193	191	160	156	163	202	193	176	135	200	163
Oct.	249	147	198	191	144	140	136	184	196	167	178	225	147

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Cotton	Cotton Textiles									Eggs	Fish—Cod[1]	Flax Seed
	Av.	Cocheco Prints	Denims	Drillings	Print cloths metacomet	Print cloths standard	Shirtings bl'ch'd	Sheetings brown	Tickings	Av.			
1870		*	*	*	*	*	*	*	*				*
Jan.	232	147	184	185	142	144	147	190	188	166	270	200	138
Apr.	208	132	193	173	128	120	156	178	188	159	161	200	129
July	187	137	191	168	114	116	156	178	179	155	126	200	135
Oct.	152	126	178	163	135	131	130	166	172	150	161	200	141
1871													
Jan.	140	121	166	152	133	133	130	154	163	144	192	175	132
Apr.	139	121	164	146	128	120	136	148	159	140	109	150	132
July	191	121	159	152	137	133	136	160	156	144	109	175	150
Oct.	182	126	155	157	142	142	136	160	160	147	163	200	126
1872													
Jan.	185	126	155	163	142	136	136	160	160	147	215	200	117
Apr.	215	126	159	168	156	147	143	178	162	155	132	125	129
July	236	126	157	174	149	142	136	172	162	152	103	150	135
Oct.	173	126	145	174	137	136	124	160	153	144	152	200	123
1873													
Jan.	189	126	150	168	137	133	136	166	153	146	232	150	126
Apr.	182	121	159	168	126	122	136	166	157	144	129	175	135
July	192	126	157	174	112	118	124	160	157	141	123	150	150
Oct.	168	116	152	174	72	116	111	154	151	131	158	200	132
1874													
Jan.	149	121	141	136	107	109	124	143	144	128	232	200	147
Apr.	156	100	145	130	105	102	117	143	140	123	141	200	166
July	162	100	133	130	102	100	117	137	132	119	126	200	144
Oct.	141	100	134	127	107	93	117	131	134	118	143	200	126
1875													
Jan.	132	100	126	127	91	93	98	125	132	112	192	250	141
Apr.	152	95	124	130	109	111	100	131	132	117	141	150	135
July	141	100	124	130	95	91	100	125	131	112	103	175	117
Oct.	121	89	122	124	84	89	91	119	128	106	155	200	98
1876													
Jan.	121	89	122	112	79	75	91	113	116	100	189	175	98
Apr.	123	84	121	112	70	68	91	107	113	96	106	200	129
July	109	63	105	95	70	66	85	101	97	85	98	175	92
Oct.	101	79	100	95	91	81	85	101	91	90	132	175	89
1877													
Jan.	116	79	102	98	91	87	85	107	91	93	169	175	130
Apr.	106	79	105	95	79	71	85	101	94	89	100	125	123
July	112	79	97	95	81	76	82	98	88	87	98	100	126
Oct.	102	79	102	95	67	66	75	98	88	84	118	125	92
1878													
Jan.	103	74	103	95	72	63	75	98	88	84	138	150	132
Apr.	96	74	107	92	62	58	75	98	91	82	66	150	123
July	105	68	102	87	64	62	69	89	90	79	72	150	120
Oct.	97	63	102	92	63	60	69	89	87	78	112	150	92
1879													
Jan.	87	63	100	83	61	57	69	83	82	75	146	150	86
Apr.	98	62	93	83	61	64	72	92	82	76	83	150	117
July	114	68	91	86	77	74	78	101	84	82	72	150	—
Oct.	97	63	98	87	65	67	78	95	88	80	112	150	77
1880													
Jan.	116	79	100	103	93	87	85	107	88	93	126	150	123
Apr.	119	84	107	103	79	100	88	110	97	96	72	200	117
July	108	84	102	95	74	71	82	98	96	88	73	250	74
Oct.	106	74	97	92	74	72	78	92	93	84	118	150	75

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Flax Seed			Flour	Flour	Fruit	Fruit	Fruit	Furniture			Furniture	Hemlock
			Av.	Rye	Wheat[1]	Apples dried	Currants Zante	Raisins	Chairs bedroom	Chairs kitchen	Chairs Av.	Tables kitchen	Lumber in the log
Market	N. Y.	Cinn.											
Refer.	15	13		80	79	81	82	83	274	275		276	225
Unit	bu.	bu.		bbl.	bbl.	lb.	lb.	box	doz.	doz.		doz.	M. ft.
Base	$	$		$	$	$	$	$	$	$		$	$
Price	1.59	1.10		4.00	8.25	.0775	.06	2.30	10.00	4.50		12.00	6.00
1860	*	*							*	*			
Jan.	98	100	99	100	100	100	100	100	100	100	100	100	100
April	102	100	100	100	109	90	104	103	100	100	100	100	100
July	101	100	101	95	109	87	92	107	100	100	100	100	100
Oct.	99	100	100	100	97	77	79	124	80	100	90	100	133
1861													
Jan.	101	100	97	93	103	77	75	89	80	100	90	100	133
April	91	100	92	95	103	52	75	68	80	100	90	100	133
July	—	91	92	75	103	103	67	50	80	100	90	100	133
Oct.	98	91	94	88	97	77	158	102	80	100	90	100	133
1862													
Jan.	116	114	113	100	109	97	150	139	80	100	90	100	167
April	140	136	137	100	100	90	158	139	80	100	90	100	167
July	129	—	118	88	94	71	167	136	80	100	90	100	183
Oct.	125	114	119	106	101	71	179	154	80	100	90	100	192
1863													
Jan.	193	182	182	119	—	84	175	152	85	100	93	100	200
April	182	295	241	113	—	87	233	174	105	100	103	113	200
July	165	—	156	106	—	90	250	185	105	100	103	113	200
Oct.	165	182	165	125	—	84	242	180	110	111	111	113	200
1864													
Jan.	207	227	206	138	—	123	240	174	125	122	124	113	200
April	223	236	225	138	—	126	275	178	125	122	124	125	200
July	231	255	236	181	—	148	308	185	145	133	139	138	200
Oct.	200	255	218	188	—	168	283	174	180	167	174	163	200
1865													
Jan.	233	259	241	213	—	200	342	254	180	167	174	163	200
April	176	182	176	144	—	177	217	215	150	156	153	150	200
July	142	136	132	128	—	132	208	250	145	144	145	150	200
Oct.	190	245	204	169	—	168	233	204	145	144	145	150	200
1866													
Jan.	187	227	197	131	197	184	263	183	145	144	145	150	200
April	160	205	173	113	197	190	217	165	150	144	147	150	200
July	203	264	219	169	197	290	250	170	150	144	147	150	200
Oct.	209	255	221	150	206	155	250	161	150	144	147	150	200
1867													
Jan.	175	205	180	170	203	129	208	154	150	144	147	150	100
April	184	236	198	188	200	174	217	158	150	144	147	150	100
July	206	205	202	160	188	142	185	157	150	144	147	150	100
Oct.	180	200	185	162	191	—	196	—	135	144	140	150	100
1868													
Jan.	154	164	153	188	188	139	221	165	120	144	132	150	100
April	179	205	185	194	185	136	188	170	120	144	132	150	100
July	165	200	175	200	170	142	185	172	135	144	140	150	100
Oct.	178	236	195	150	167	116	204	196	135	144	140	150	100
1869													
Jan.	159	182	165	174	152	—	179	148	135	144	140	150	100
April	178	205	184	174	167	165	167	135	135	156	146	150	100
July	160	182	168	158	139	—	167	122	135	156	146	150	100
Oct.	154	182	161	148	118	136	183	143	135	156	146	150	100

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Flax Seed			Flour	Flour	Fruit	Fruit	Fruit	Furniture			Furniture	Hemlock
			Av.	Rye	Wheat[1]	Apples dried	Currants Zante	Raisins	Chairs bed-room	Chairs kitchen	Av.	Tables	Lumber in the log
Market	N. Y.	Cinn.											
1870	*	*							*	*			
Jan.	149	159	149	133	112	142	183	143	135	156	146	150	100
April	149	164	147	120	106	123	200	135	135	156	146	150	100
July	142	182	153	144	118	142	200	126	115	144	130	150	100
Oct.	145	164	150	141	112	103	204	135	105	144	125	150	100
1871													
Jan.	135	155	141	138	124	90	167	87	105	133	119	150	133
April	145	159	145	158	130	113	158	121	120	133	127	150	133
July	149	159	153	138	118	87	150	102	120	133	127	150	133
Oct.	130	141	132	138	124	97	125	161	120	133	127	150	133
1872													
Jan.	143	136	132	133	133	142	133	113	120	133	127	150	133
April	142	141	137	126	149	161	125	111	120	133	127	150	133
July	142	159	145	116	155	155	125	109	105	133	119	150	133
Oct.	128	136	129	130	155	—	119	109	105	133	119	150	133
1873													
Jan.	130	136	131	155	136	110	108	87	105	133	119	150	133
April	143	150	143	135	142	94	108	96	105	133	119	150	133
July	160	150	153	129	136	97	92	85	105	122	114	150	133
Oct.	137	141	137	148	142	—	110	98	105	122	114	150	133
1874													
Jan.	142	182	157	138	130	110	102	104	105	122	114	150	135
April	171	159	165	131	129	94	98	109	105	122	114	150	135
July	154	168	155	148	136	97	102	125	100	122	111	150	133
Oct.	129	159	138	133	124	—	98	117	85	111	98	137	133
1875													
Jan.	148	159	149	125	121	110	100	124	85	111	98	137	133
April	142	159	145	125	118	129	102	115	80	111	96	137	133
July	123	141	127	131	126	116	102	98	80	111	96	137	133
Oct.	108	127	111	138	130	136	112	109	75	111	93	137	133
1876													
Jan.	124	112	111	131	123	155	123	120	75	94	85	137	133
April	101	114	115	125	127	129	104	103	75	94	85	137	133
July	94	102	96	126	112	129	115	111	75	94	85	137	133
Oct.	91	100	93	126	115	—	104	91	75	94	85	137	133
1877													
Jan.	104	111	115	128	136	74	102	74	80	89	85	137	133
April	107	114	115	119	145	71	108	67	80	89	85	137	133
July	113	114	118	123	118	71	108	71	75	89	82	137	133
Oct.	91	105	96	116	127	103	100	59	75	89	82	137	133
1878													
Jan.	96	105	111	98	115	84	96	82	70	89	80	137	133
April	93	105	107	100	109	77	83	63	70	89	80	137	133
July	94	105	106	76	109	52	83	73	70	89	80	137	133
Oct.	115	109	105	78	107	—	75	76	70	89	80	125	133
1879													
Jan.	90	100	92	76	103	52	63	70	70	89	80	125	133
April	113	105	112	80	103	48	63	63	70	89	80	125	133
July	138	109	124	88	100	48	67	60	70	89	80	125	133
Oct.	86	104	89	110	112	65	75	80	75	89	82	125	133
1880													
Jan.	108	114	115	138	112	87	108	96	80	100	90	125	133
April	115	127	120	121	106	87	104	102	80	100	90	125	133
July	—	95	85	118	106	74	88	100	80	100	90	125	133
Oct.	88	100	88	123	107	—	96	100	80	100	90	125	133

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Hides								Iron Wire	Lard	Lead		
Market	Dry, California N.Y.	Dry, Rio Grande N.Y.	Dry, Texas N.Y.	Green Cinn.	Green salted Chic.	Wet salted city slaughter N.Y.	Wet salted Rio Grande N.Y.	Av.	Market No. 10		Drop-shot	Pipe	Av.
Refer.	17	18	19	20	21	23	23		190	85	191	193	
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	100 lb.	100 lb.	
Base price	$ .22⅝	$ .2375	$ .14⅝	$ .0675	$ .0728⅛	$ .09	$ .1275		$ .052	$ .105	$ 5.87½	$ 6.00	
1860	*	*	*	*	*	*	*				*	*	
Jan.	102	97	111	100	91	100	98	100	—	100	100	100	100
April	98	102	101	107	100	103	106	102	—	98	119	117	118
July	103	103	97	107	106	103	102	103	100	114	115	113	114
Oct.	97	98	91	85	103	94	94	95	100	117	111	104	108
1861													
Jan.	91	87	103	93	69	68	82	85	100	95	111	104	108
April	90	85	109	93	82	75	84	88	100	86	111	108	110
July	—	—	144	63	58	61	—	82	100	76	111	108	110
Oct.	97	95	137	85	69	86	96	95	100	76	119	117	118
1862													
Jan.	106	97	137	78	72	83	106	97	100	76	145	142	144
April	—	96	123	100	86	75	96	96	100	74	145	142	144
July	104	100	144	100	79	83	100	101	100	74	145	142	144
Oct.	113	117	150	100	103	94	114	113	100	74	149	146	148
1863													
Jan.	128	114	178	126	106	99	112	123	106	88	170	167	169
April	125	120	171	130	120	94	116	125	233	100	204	167	186
July	115	120	157	137	113	94	112	121	169	89	204	200	202
Oct.	129	121	—	137	141	103	114	124	138	102	187	183	185
1864													
Jan.	125	119	159	148	132	125	112	131	212	114	230	225	228
April	135	127	168	141	156	139	123	141	212	126	264	258	261
July	155	149	173	174	161	161	135	158	212	157	358	350	354
Oct.	117	114	164	159	120	133	112	131	286	186	340	333	337
1865													
Jan.	147	141	168	156	139	153	133	148	264	195	340	333	337
April	71	68	91	156	100	104	65	94	212	148	272	267	270
July	69	69	70	96	91	83	72	79	148	152	238	233	236
Oct.	83	74	109	119	122	128	71	101	169	233	255	217	236
1866													
Jan.	78	72	113	133	93	139	72	100	212	136	238	233	236
April	81	71	113	141	76	133	71	98	190	157	166	162	164
July	74	67	72	133	93	125	66	90	190	181	196	192	194
Oct.	83	77	82	133	120	139	76	101	212	157	192	183	188
1867													
Jan.	81	73	106	152	96	125	78	102	190	112	179	171	175
April	81	76	106	152	108	119	81	103	180	117	179	171	175
July	86	88	137	159	120	147	92	118	180	107	179	171	175
Oct.	90	86	145	—	132	144	88	114	169	133	196	192	194
1868													
Jan.	83	78	116	148	120	122	81	107	180	114	196	200	198
April	85	84	99	156	134	139	90	112	159	148	196	200	198
July	88	92	103	167	120	143	94	115	159	152	196	200	198
Oct.	84	86	103	167	172	143	88	120	148	174	192	188	190
1869													
Jan.	91	94	116	159	127	140	94	117	159	171	204	188	196
April	96	97	150	178	170	140	98	133	159	167	204	188	196
July	90	89	154	178	110	140	93	122	159	160	204	188	196
Oct.	84	88	142	178	113	140	86	119	159	162	189	167	178

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Hides								Iron Wire	Lard	Lead		
	Dry, Calif.	Dry, Rio Grande	Dry Texas	Green	Green salted	Wet, etc.	Wet salted Rio Grande	Av.			Drop shot	Pipe	Av.
1870	*	*	*	*	*	*	*				*	*	
Jan.	91	92	140	156	96	122	92	113	137	150	170	133	152
April	96	94	133	144	93	108	98	109	137	131	168	128	148
July	92	94	128	133	86	125	96	108	127	133	128	125	127
Oct.	96	97	140	148	106	128	97	116	127	133	140	129	135
1871													
Jan.	105	104	150	144	137	122	93	122	127	138	140	125	133
April	97	97	142	133	144	117	94	118	127	110	142	154	148
July	98	98	123	133	144	125	98	117	127	114	161	154	158
Oct.	101	105	123	148	151	132	100	123	127	93	161	154	158
1872													
Jan.	106	115	137	—	151	122	98	122	127	86	161	150	156
April	111	116	157	163	148	133	106	133	137	—	161	150	156
July	106	116	144	163	151	142	106	133	159	81	172	165	169
Oct.	103	104	137	170	158	138	98	130	169	79	172	165	169
1873													
Jan.	113	118	164	156	151	139	94	134	159	73	172	157	165
April	111	114	157	156	144	133	106	132	148	81	172	157	165
July	99	104	140	141	137	122	98	120	142	80	172	157	165
Oct.	109	109	157	159	110	124	94	123	127	76	172	157	165
1874													
Jan.	111	110	156	130	124	117	94	120	116	79	172	157	165
April	108	105	147	130	120	117	102	118	116	94	138	135	137
July	104	105	147	133	117	111	86	115	116	108	138	135	137
Oct.	107	106	152	130	117	118	98	118	116	131	130	127	129
1875													
Jan.	104	101	152	126	117	128	102	119	106	127	138	131	135
April	101	95	—	126	110	111	86	105	106	138	153	135	144
July	92	87	123	122	110	106	78	103	106	117	149	139	144
Oct.	94	88	130	126	113	108	84	106	106	130	149	137	143
1876													
Jan.	91	79	132	119	103	100	80	101	106	115	149	135	142
April	81	76	137	119	96	94	75	97	106	135	153	142	148
July	73	69	115	126	100	93	71	92	95	112	149	142	146
Oct.	78	75	115	133	106	97	71	96	95	100	149	142	146
1877													
Jan.	108	78	159	144	124	111	90	116	95	105	149	135	142
April	90	86	121	141	103	94	80	102	90	90	149	135	142
July	96	87	128	148	120	110	86	111	90	82	134	127	131
Oct.	97	91	130	141	120	117	86	112	85	87	134	112	123
1878													
Jan.	94	85	128	141	110	103	88	107	85	76	134	112	123
April	91	79	120	133	89	86	78	97	85	71	134	112	123
July	85	79	113	126	96	94	72	95	90	67	94	73	84
Oct.	106	98	140	111	100	108	92	108	85	64	76	79	78
1879													
Jan.	83	79	106	126	96	86	82	94	79	55	100	83	92
April	80	76	101	111	89	81	78	88	74	62	100	83	92
July	87	83	109	130	106	118	80	102	74	59	103	83	93
Oct.	94	87	115	133	117	121	85	107	85	60	110	105	108
1880													
Jan.	111	100	156	137	137	139	102	126	85	68	110	116	113
April	106	98	140	141	127	108	92	116	106	71	110	120	115
July	98	95	120	156	130	103	92	113	95	68	123	105	114
Oct.	104	98	130	159	130	108	96	118	95	79	123	98	111

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Leather	Lime	Linseed Oil	Matches	Meal	Meat—Beef				Meat—Beeves			
Market	Harness	Rockland			Corn	Loins[1]	Ribs[1]	Salt-mess	Av.	N. Y.	Cinn.	Chicago	Av.
Refer.	148	226	255	179	86	88	89	89		25	24	26	
Unit	lb.	bbl.	gal.	gross.	bbl.	lb.	lb.	bbl.		100 lbs.	100 lbs.	100 lbs.	
Base price	$ .35	$ .60	$ .57	$ .48	$ 4.15	$ .18	$ .15	$ 11.50		$ 5.46	$ 3.625	$ 3.10	
1860						*	*	*		*	*	*	
Jan.	100	133	100	100	100	100	100	100	100	103	103	97	101
April	100	142	105	100	96	100	93	91	95	108	117	113	113
July	103	100	104	100	89	100	93	87	93	92	90	105	96
Oct.	100	125	102	100	93	94	93	83	90	97	90	85	91
1861													
Jan.	94	133	88	100	84	89	93	91	91	103	97	105	102
April	89	133	105	100	90	89	100	91	93	90	110	105	102
July	86	133	95	100	72	83	93	83	86	90	76	110	92
Oct.	100	133	104	100	73	83	87	96	89	90	90	77	86
1862													
Jan.	94	—	149	100	78	83	87	104	91	103	83	73	86
April	94	138	149	100	76	83	87	100	90	97	90	97	95
July	91	92	151	100	71	83	87	104	91	87	97	90	91
Oct.	103	117	151	100	94	83	87	113	94	87	76	85	83
1863													
Jan.	109	142	219	100	108	94	93	109	99	97	90	92	93
April	129	142	298	100	112	100	100	113	104	118	131	145	131
July	129	167	211	100	106	100	100	100	100	110	124	110	115
Oct.	131	192	237	100	116	100	100	104	101	103	97	101	100
1864													
Jan.	143	175	251	100	145	106	107	107	107	118	131	105	118
April	154	225	281	100	148	139	147	96	127	144	179	141	155
July	166	167	298	208	193	156	153	217	175	162	166	177	168
Oct.	171	208	246	208	189	150	147	130	142	178	193	153	175
1865													
Jan.	171	250	272	208	212	194	187	165	182	164	221	169	185
April	166	267	246	396	157	194	213	191	199	215	262	242	240
July	137	200	207	396	124	178	187	113	159	159	193	145	166
Oct.	151	300	272	396	123	167	167	139	158	190	166	222	193
1866													
Jan.	149	283	249	396	117	144	167	209	173	174	172	179	175
April	149	267	228	385	99	156	167	209	177	159	193	155	169
July	146	250	316	385	127	178	173	213	188	172	207	210	196
Oct.	149	283	289	385	120	167	167	209	181	169	193	185	182
1867													
Jan.	146	308	219	385	127	167	160	178	168	154	172	159	162
April	137	250	225	385	151	178	173	174	175	181	221	190	197
July	146	308	239	375	147	172	167	204	181	173	193	190	185
Oct.	146	308	216	375	166	167	167	183	172	154	193	129	159
1868													
Jan.	137	308	179	375	154	167	167	174	169	169	179	133	160
April	137	308	207	375	147	167	167	196	177	182	234	161	192
July	143	292	188	365	149	167	173	196	179	169	193	173	178
Oct.	134	292	179	365	157	167	167	172	169	167	138	129	145
1869													
Jan.	134	267	172	354	125	167	167	183	172	174	138	181	164
April	134	250	179	354	118	167	167	165	166	159	166	194	173
July	134	208	175	344	111	167	167	152	162	162	152	190	168
Oct.	137	275	175	344	151	167	167	128	154	159	145	181	162

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Leather	Lime	Linseed Oil	Matches	Meal	Meat—Beef				Meat—Beeves			
Market	Harness	Rockland			Corn	Loins[1]	Ribs[1]	Salt-mess	Av.	N. Y.	Cinn.	Chicago	Av.
1870						*	*	*		*	*	*	
Jan.	131	250	160	333	123	167	167	157	164	174	152	157	161
April	123	208	153	333	120	167	167	170	168	169	159	177	168
July	117	208	163	323	127	167	167	174	169	164	179	173	172
Oct.	129	192	154	323	127	167	167	161	165	162	145	133	147
1871													
Jan.	126	283	144	302	102	167	167	165	166	154	145	194	164
April	123	233	151	292	108	156	160	152	156	154	162	180	165
July	120	183	149	292	99	150	153	130	144	128	121	165	138
Oct.	123	292	144	281	99	150	153	109	137	123	114	151	129
1872													
Jan.	117	292	130	271	103	150	153	100	134	121	131	169	140
April	126	250	158	271	90	150	153	96	133	128	124	177	143
July	123	225	147	260	89	150	153	87	130	129	124	179	144
Oct.	129	225	140	260	92	150	153	87	130	126	121	177	141
1873													
Jan.	126	250	158	250	92	150	147	115	137	126	124	173	141
April	126	267	168	250	88	150	147	111	136	126	124	174	141
July	123	267	168	250	87	150	147	109	135	118	124	178	140
Oct.	126	183	174	250	94	144	140	100	128	117	83	172	124
1874													
Jan.	120	183	153	240	108	144	140	100	128	122	110	177	136
April	117	192	167	240	106	144	140	122	135	123	130	186	146
July	111	167	153	240	111	144	140	124	136	114	101	183	133
Oct.	106	208	135	240	130	144	140	143	142	118	114	165	132
1875													
Jan.	106	233	137	240	114	144	140	100	128	129	128	185	147
April	106	233	126	229	114	144	140	100	128	122	128	185	145
July	106	208	105	229	107	144	140	100	128	129	128	190	149
Oct.	103	183	102	229	101	144	140	104	129	121	121	174	139
1876													
Jan.	103	167	111	229	93	133	133	96	121	113	114	169	132
April	103	167	105	229	78	133	133	122	129	113	117	160	130
July	100	142	100	229	78	128	127	109	121	96	103	149	116
Oct.	97	142	93	229	78	122	120	96	113	104	94	149	116
1877													
Jan.	100	133	98	219	74	122	120	126	123	105	121	161	129
April	100	133	112	219	76	122	120	117	120	112	128	162	134
July	100	133	109	219	83	128	127	122	126	119	128	177	141
Oct.	100	133	98	219	74	128	127	109	121	109	110	153	124
1878													
Jan.	100	108	111	219	78	122	120	104	115	106	114	145	122
April	97	125	105	208	77	111	107	96	105	99	117	141	119
July	97	108	100	208	63	111	107	87	102	94	113	143	117
Oct.	97	125	109	208	70	111	107	83	100	85	94	129	103
1879													
Jan.	91	142	107	208	67	111	107	83	100	96	103	128	109
April	91	150	104	208	63	111	107	78	99	82	127	148	119
July	91	150	112	208	60	111	107	91	103	97	110	140	116
Oct.	97	150	109	208	72	111	107	91	103	96	97	144	112
1880													
Jan.	117	142	149	208	80	111	107	91	103	100	103	140	114
April	117	150	140	208	77	111	107	83	100	77	113	139	110
July	120	150	105	208	76	111	107	83	100	90	110	135	112
Oct.	117	150	98	208	78	111	107	78	99	91	105	149	115

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Meat—Hogs			Meat—Mutton[1]	Meat—Pork	Meat—Sheep			Mercury	Milk	Molasses		
			Av.		salt-mess			Av.		Fresh[1]	New Orleans prime	Porto Rico, best	Av.
Market	N. Y.	Cinn.				N. Y.	Cinn.						
Refer.	28	27		91	92	31	31		256	93	94	95	
Unit	100 lb.	100 lb.		lb.	bbl.	100 lbs	head		lb.	qt.	gal.	gal.	
Base	$	$		$	$	$	*		$	$	$	$	
price	6.28⅛	4.96¼		.10	16.50	5.43¾	3.62½		.55	.05	.53	.38	
1860	*	*				*	*				*	*	
Jan.	90	121	106	100	100	101	110	106	100	100	100	100	100
April	97	101	99	120	109	110	138	124	100	100	91	108	100
July	107	62	85	100	110	92	83	88	100	100	91	100	96
Oct.	106	116	111	100	117	97	69	83	100	100	94	105	100
1861													
Jan.	86	115	106	110	102	101	138	120	100	100	70	92	81
April	82	98	90	110	109	99	124	112	100	100	71	87	79
July	68	63	66	100	97	78	55	67	100	100	68	71	70
Oct.	63	61	62	90	91	87	55	71	82	100	104	118	111
1862													
Jan.	60	65	63	100	75	106	90	98	82	80	104	105	105
April	74	65	70	100	77	110	110	110	82	80	85	100	93
July	57	47	52	90	65	97	72	85	82	80	—	97	97
Oct.	67	63	65	100	71	101	103	102	109	80	91	132	112
1863													
Jan.	75	94	85	100	86	110	83	97	127	—	106	126	116
April	88	76	82	125	98	138	179	159	127	—	106	118	112
July	88	74	81	120	85	87	114	101	127	—	94	139	117
Oct.	79	57	68	125	86	97	121	109	142	—	113	164	139
1864													
Jan.	113	141	127	120	118	136	145	146	151	—	132	171	152
April	139	151	145	140	145	179	200	190	200	—	160	224	192
July	176	151	164	160	276	117	110	114	282	—	217	290	254
Oct.	179	237	208	150	255	147	166	157	345	—	311	224	268
1865													
Jan.	219	314	267	190	212	175	207	191	251	—	283	290	287
April	191	227	209	190	162	211	276	244	182	—	208	184	196
July	169	174	172	170	164	101	117	109	96	—	217	184	201
Oct.	229	257	243	170	214	124	152	138	96	—	—	250	250
1866													
Jan.	165	244	205	160	186	161	166	164	100	130	236	158	197
April	171	189	180	170	161	140	179	160	164	130	208	197	203
July	165	188	177	180	198	113	138	126	164	130	—	211	211
Oct.	173	196	185	160	203	108	131	120	173	180	—	197	197
1867													
Jan.	105	131	118	170	130	124	138	131	173	170	166	171	169
April	133	141	137	180	141	156	193	175	173	140	—	197	197
July	115	120	118	150	140	131	110	121	142	115	—	184	184
Oct.	114	131	123	160	145	106	117	112	142	175	—	197	197
1868													
Jan.	118	131	125	170	138	101	124	113	142	160	170	171	171
April	149	171	160	200	150	159	207	183	142	120	179	197	188
July	141	166	154	160	175	108	110	109	142	125	—	184	184
Oct.	158	176	167	160	174	117	76	97	138	175	—	166	166
1869													
Jan.	163	186	175	170	164	115	90	103	138	165	151	158	155
April	175	191	183	180	188	152	152	152	138	140	162	197	180
July	150	181	166	180	195	106	90	98	138	140	179	204	192
Oct.	165	181	173	170	190	106	99	103	138	140	179	158	169

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[1] Prices are for February, May, August, November.

TABLE 2—(Continued).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Meat—Hogs			Meat—Mutton[1]	Meat—Pork	Meat—Sheep			Mercury	Milk	Molasses		
Market	N. Y.	Cinn.	Av.		salt-mess	N. Y.	Cinn.	Av.		Fresh[1]	N. O. Prime	Porto Rico best	Av.
1870	*	*				*	*				*	*	
Jan.	163	191	177	180	173	138	103	121	127	140	147	184	166
April	151	171	161	180	168	163	145	154	124	130	151	171	161
July	146	176	161	180	179	113	110	112	124	130	179	178	179
Oct.	144	154	149	180	158	106	97	102	118	140	189	172	181
1871													
Jan.	107	131	119	170	117	115	103	109	164	130	140	158	149
April	111	130	121	170	117	143	117	130	164	130	128	158	143
July	76	87	82	160	90	103	76	90	136	130	123	158	141
Oct.	83	87	85	150	82	106	90	98	153	130	113	145	129
1872													
Jan.	80	92	86	180	88	131	124	128	145	130	102	100	101
April	78	86	82	200	80	175	166	171	151	130	109	—	109
July	72	85	79	200	75	124	117	121	153	130	119	145	132
Oct.	84	96	90	180	87	117	132	125	176	130	138	145	142
1873													
Jan.	76	77	77	160	83	129	166	148	164	130	121	145	133
April	103	111	107	200	106	147	159	153	187	130	130	171	151
July	82	90	86	180	102	106	110	108	196	130	143	171	157
Oct.	86	86	86	160	103	110	97	104	200	130	162	171	167
1874													
Jan.	84	109	97	160	99	129	124	127	235	130	136	145	141
April	88	119	104	200	102	108	172	140	249	130	134	184	159
July	88	124	106	200	114	106	110	108	258	130	153	178	166
Oct.	100	131	116	180	138	110	124	117	291	130	149	171	160
1875													
Jan.	115	141	128	160	121	129	131	130	291	130	119	145	132
April	129	161	145	180	132	126	179	153	155	120	132	158	145
July	131	139	135	180	127	175	110	143	136	120	132	138	135
Oct.	137	159	148	160	134	120	117	119	173	120	126	132	129
1876													
Jan.	126	143	135	160	127	113	138	126	127	125	104	132	118
April	135	166	151	180	141	147	166	157	115	120	100	153	127
July	115	126	121	180	123	106	117	112	91	120	100	145	123
Oct.	105	111	108	160	105	110	110	110	95	125	102	153	128
1877													
Jan.	109	136	123	150	107	118	138	128	96	125	102	145	124
April	92	104	98	180	91	129	152	141	87	110	94	145	120
July	86	95	91	180	86	115	97	106	85	100	91	171	131
Oct.	88	106	97	150	87	99	110	105	98	120	75	158	117
1878													
Jan.	75	86	81	140	76	97	117	107	91	120	75	95	85
April	62	76	69	150	63	114	131	123	89	100	75	92	84
July	70	87	79	130	64	92	90	91	85	100	75	137	106
Oct.	64	72	68	120	54	90	97	94	85	120	75	137	106
1879													
Jan.	51	58	55	125	46	87	110	99	78	120	68	105	87
April	67	77	72	140	65	115	137	126	75	100	62	105	84
July	65	77	71	140	62	94	86	90	71	100	68	95	82
Oct.	66	75	71	120	57	90	103	97	75	100	68	95	82
1880													
Jan.	79	90	85	120	77	101	124	113	78	100	—	—	—
April	76	90	83	140	70	126	157	142	75	110	100	111	106
July	73	84	79	140	74	87	116	102	76	110	100	132	116
Oct.	86	100	93	130	102	90	126	108	78	110	113	132	123

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Muriatic Acid	Oats	Opium	Oxide of Zinc	Pails—Wooden				Pine boards	Pine	Powder	Putty	Quicksilver
Market		N. Y.			2-hoop No. 1	2-hoop No. 2	3-hoop	Av.		Lumber in the log	Rifle		
Refer.	258	32	259	228	282	282	283		229	233	290	235	204
Unit	lb.	bu.	lb.	lb.	doz.	doz.	doz.		M. ft	M. ft	25 lb. kg	lb.	lb.
Base price	$ .03	$ .41¾	$ 5.75	$ .045	$ 1.40	$ 1.35	$ 1.60		$ 31.25	$ 8.00	$ 5.00	$ .03	$ .4875
1860					*	*	*						
Jan.	100	111	100	111	100	100	100	100	106	100	100	100	100
April	100	103	122	111	100	100	100	100	106	100	100	100	112
July	100	95	96	100	100	100	100	100	100	100	100	100	113
Oct.	100	92	104	100	100	100	100	100	106	125	100	100	114
1861													
Jan.	100	90	83	100	98	100	100	99	106	125	100	117	113
April	100	80	91	100	98	100	100	99	106	125	100	117	109
July	100	72	96	100	98	100	100	99	106	125	120	117	99
Oct.	100	83	100	100	98	98	97	98	106	125	120	117	96
1862													
Jan.	117	99	87	100	93	93	94	93	106	188	140	133	96
April	117	93	87	100	93	93	94	93	110	188	120	133	88
July	117	103	109	100	107	107	106	107	106	188	130	133	115
Oct.	117	138	125	100	121	119	119	120	110	194	130	133	129
1863													
Jan.	100	166	146	100	121	122	125	123	110	200	130	150	140
April	100	200	174	144	150	152	147	150	132	200	135	150	164
July	100	178	148	144	139	139	138	139	132	200	135	150	164
Oct.	100	168	170	139	139	139	141	140	148	200	147	150	160
1864													
Jan.	133	224	170	144	161	163	156	160	148	200	145	167	185
April	133	214	204	156	179	183	176	179	164	200	152	167	256
July	133	238	243	189	179	181	177	179	196	200	174	167	390
Oct.	133	208	300	200	179	183	178	180	196	200	172	167	308
1865													
Jan.	150	261	122	200	179	183	178	180	196	200	180	183	256
April	150	212	117	200	179	181	178	179	196	200	175	183	195
July	150	177	103	178	143	147	141	144	196	200	170	183	154
Oct.	150	144	126	200	214	219	203	212	228	200	170	183	174
1866													
Jan.	167	122	151	200	196	196	187	193	228	200	170	200	256
April	167	115	109	200	179	196	187	187	238	200	155	200	174
July	167	147	109	222	179	181	178	179	228	200	150	200	181
Oct.	167	137	126	222	179	181	178	179	228	200	150	200	174
1867													
Jan.	133	154	117	200	168	167	172	169	228	125	152	217	174
April	133	163	117	211	152	144	150	149	228	125	150	217	108
July	133	174	122	211	143	156	150	150	180	125	130	217	154
Oct.	133	182	116	211	143	148	144	145	186	125	130	217	160
1868													
Jan.	100	205	108	200	136	135	130	134	186	125	130	217	154
April	100	206	130	189	129	135	130	131	190	125	134	217	108
July	100	195	123	200	136	130	123	130	196	125	130	217	156
Oct.	100	174	150	200	143	130	123	132	180	125	133	217	108
1869													
Jan.	83	184	248	167	139	126	122	129	180	125	135	183	108
April	83	184	226	167	139	130	128	132	196	125	130	183	108
July	83	185	170	178	143	133	128	135	180	125	130	183	108
Oct.	83	153	143	178	143	133	128	135	180	125	130	183	108

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Muriatic Acid	Oats	Opium	Oxide of Zinc	Pails—Wooden				Pine boards	Pine	Powder	Putty	Quicksilver
					2-hoop No. 1 *	2-hoop No. 2 *	3-hoop *	Av.		Lumber in log	Rifle		
1870													
Jan.	83	151	174	178	143	130	125	133	180	125	115	150	105
April	83	140	194	144	143	130	125	133	180	125	115	150	105
July	83	157	187	144	139	130	125	131	161	125	120	150	123
Oct.	83	128	161	144	143	130	125	133	154	125	115	150	133
1871													
Jan.	67	146	128	144	143	130	125	133	154	150	115	117	185
April	67	165	100	144	136	130	125	130	180	150	115	117	169
July	67	155	102	144	139	130	125	131	180	143	115	117	154
Oct.	67	127	85	144	139	130	125	131	180	150	115	117	164
1872													
Jan.	58	134	87	156	136	122	116	125	180	150	120	100	164
April	58	130	99	156	136	130	125	130	180	150	120	100	170
July	58	104	104	178	136	130	125	130	186	150	120	100	205
Oct.	58	105	116	200	136	137	131	135	190	150	120	100	191
1873													
Jan.	58	110	124	200	136	130	125	130	190	150	125	92	190
April	58	119	104	194	136	130	125	130	193	150	125	92	210
July	58	110	126	189	136	122	119	126	190	150	115	92	226
Oct.	58	125	126	178	125	130	125	127	180	150	120	92	226
1874													
Jan.	58	146	113	178	125	130	125	127	180	152	125	92	267
April	58	137	117	178	125	122	122	123	190	151	125	92	277
July	58	141	139	178	114	122	119	118	180	151	125	92	297
Oct.	58	146	130	156	114	111	109	111	180	150	125	92	328
1875													
Jan.	67	166	154	156	114	111	109	111	182	150	105	92	295
April	67	172	143	133	114	115	112	114	182	150	105	92	160
July	67	152	113	156	114	107	106	109	164	150	95	92	154
Oct.	67	108	110	156	107	104	100	104	138	150	95	92	178
1876													
Jan.	67	114	106	133	107	104	103	105	148	150	95	92	144
April	67	116	91	133	100	93	91	95	148	150	110	108	127
July	67	93	110	122	93	93	91	92	142	150	110	92	103
Oct.	67	103	118	133	93	93	91	92	142	150	110	108	101
1877													
Jan.	67	105	113	139	93	89	88	90	142	150	110	108	109
April	75	111	103	139	86	89	88	88	142	150	110	108	92
July	75	102	99	133	89	89	88	89	142	150	110	108	96
Oct.	75	81	88	128	86	89	88	88	132	150	113	83	108
1878													
Jan.	71	94	85	117	86	78	78	81	132	150	113	83	98
April	67	84	82	117	79	81	81	80	142	150	113	83	99
July	67	72	74	106	79	81	78	79	132	150	113	83	91
Oct.	58	69	78	106	75	74	72	74	138	150	113	83	94
1879													
Jan.	50	73	81	83	71	70	69	70	138	150	115	83	87
April	58	76	77	72	71	70	69	70	164	150	115	83	82
July	67	92	83	72	71	70	69	70	164	150	115	83	77
Oct.	75	86	87	72	86	70	69	75	164	150	115	83	79
1880													
Jan.	83	123	83	94	107	81	78	89	164	150	120	108	86
April	75	96	122	128	107	111	106	108	164	150	125	108	83
July	71	84	137	122	100	93	89	94	164	150	120	108	85
Oct.	67	101	124	100	100	93	91	95	164	150	120	83	85

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Quinine	Rice	Rope				Rubber	Rye	Salt			Ship-biscuit	Shovels
			Manila	Tarred American	Tarred Russian	Av.	Para		Ashton's	Turk's Island	Av.		
Market Refer.	260	96	205	207	208		291	35	97	100		72	212
Unit.	oz.	lb.	lb.	lb.	lb.		lb	bu.	224 lbs.	bu.		lb.	doz.
Base price	$ 1.10	$ .0425	$ .0825	$ .0925	$ .095		$ .55	$ .83¾	$ 1.95	$ .20		$ .04	$ 10.83
1860			*	*	*				*	*			
Jan.	100	100	100	100	100	100	100	107	100	100	100	100	100
April	123	106	100	100	100	100	109	100	77	90	84	100	100
July	136	112	97	100	97	98	123	99	90	98	99	100	100
Oct.	159	115	97	100	100	99	118	94	82	100	91	100	100
1861													
Jan.	155	91	97	—	103	100	100	—	82	85	84	113	100
April	173	94	106	108	111	108	68	77	82	95	89	113	100
July	—	135	94	105	105	101	82	—	82	100	91	100	100
Oct.	191	171	91	—	100	96	77	82	85	120	103	100	100
1862													
Jan.	227	182	121	119	121	120	87	101	87	100	94	100	95
April	205	171	130	119	121	123	91	94	92	120	106	100	95
July	236	176	124	114	126	121	105	87	92	150	121	100	99
Oct.	259	—	145	130	158	144	122	75	105	155	130	100	99
1863													
Jan.	255	—	152	143	168	154	159	107	110	150	130	125	103
April	286	—	218	165	189	191	155	126	144	185	165	125	—
July	264	—	173	162	189	175	132	121	138	210	174	125	—
Oct.	227	—	185	154	—	170	136	130	131	220	176	125	123
1864													
Jan.	232	—	197	165	—	181	145	152	144	240	192	194	136
April	273	—	230	165	—	198	151	151	174	250	212	194	161
July	295	—	255	168	—	212	173	236	231	300	266	194	200
Oct.	305	—	303	205	—	254	218	173	256	500	378	194	200
1865													
Jan.	295	282	285	200	—	243	218	203	244	330	287	188	184
April	232	259	242	195	—	219	155	145	162	250	206	188	184
July	200	229	242	195	—	219	127	101	167	255	211	138	134
Oct.	268	282	273	195	—	234	136	119	213	275	244	138	134
1866													
Jan.	232	282	291	205	—	248	182	121	208	210	209	162	134
April	223	277	239	189	179	202	145	101	179	250	215	162	134
July	245	282	230	184	184	199	141	143	141	263	202	169	142
Oct.	241	341	258	189	184	210	136	149	128	228	178	169	142
1867													
Jan.	209	209	267	200	195	221	118	142	141	280	211	175	142
April	205	235	255	195	189	213	145	166	133	263	198	175	142
July	195	259	255	195	189	213	145	164	133	213	173	181	142
Oct.	205	259	270	195	189	218	168	192	133	250	192	181	142
1868													
Jan.	182	202	233	195	189	206	123	209	133	240	187	188	142
April	186	253	242	195	189	209	150	229	128	225	177	188	142
July	205	248	236	173	168	192	150	206	128	225	177	175	142
Oct.	227	206	261	173	168	201	155	179	128	235	182	175	142
1869													
Jan.	200	206	242	173	168	194	149	187	128	240	184	150	142
April	227	206	248	173	168	196	153	167	128	215	172	150	142
July	214	212	279	162	168	203	182	149	128	225	177	125	142
Oct.	218	212	279	162	158	200	177	139	128	230	179	125	142

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Quinine	Rice	Rope				Rubber	Rye	Salt			Ship-biscuit	Shovels
			Manila *	Tarred American *	Tarred Russian *	Av.	Para		Ashton's *	Turk's Island *	Av.		
1870													
Jan.	200	171	273	162	158	198	182	128	128	205	167	125	142
April	200	141	255	162	168	195	173	115	123	190	157	125	142
July	200	212	242	151	158	184	191	125	159	200	180	112	118
Oct.	214	221	236	151	147	178	172	107	154	200	177	125	118
1871													
Jan.	209	171	218	151	147	172	182	124	167	210	189	131	118
April	214	206	194	151	147	164	136	134	164	210	187	131	118
July	214	218	212	151	147	170	147	119	162	215	189	138	118
Oct.	232	212	242	151	147	180	142	111	154	225	190	138	118
1872													
Jan.	227	206	236	141	137	171	132	109	144	225	185	150	118
April	227	212	224	141	137	167	156	105	167	190	179	150	125
July	227	219	224	130	126	160	153	99	154	205	180	150	128
Oct.	250	212	212	124	132	156	127	101	154	175	165	150	128
1873													
Jan.	227	194	212	124	132	156	135	110	154	150	152	150	128
April	227	200	212	124	132	156	135	101	154	150	152	150	128
July	241	200	206	119	126	150	138	101	169	143	156	150	126
Oct.	241	218	206	119	126	150	122	106	167	155	161	150	120
1874													
Jan.	227	200	188	119	126	144	136	127	154	125	140	150	123
April	227	206	194	119	126	146	124	122	154	125	140	150	123
July	227	203	182	114	126	141	115	131	141	140	141	150	123
Oct.	223	185	176	119	126	140	109	112	141	130	136	138	123
1875													
Jan.	205	188	170	119	126	138	106	113	141	125	133	125	123
April	209	182	164	141	137	147	125	116	141	130	136	125	123
July	207	188	170	141	137	149	123	118	131	118	125	125	112
Oct.	209	194	164	141	137	147	114	107	128	110	119	125	112
1876													
Jan.	182	168	164	130	137	144	116	109	128	105	117	131	107
April	200	159	164	130	137	144	111	104	128	100	114	131	107
July	200	162	158	119	126	134	115	104	128	115	122	125	99
Oct.	227	144	164	119	126	136	106	98	128	135	132	125	99
1877													
Jan.	273	153	170	119	126	138	105	102	128	135	132	125	92
April	409	153	164	119	126	136	104	101	128	135	132	125	92
July	386	159	164	119	126	136	100	101	128	140	134	125	92
Oct.	309	162	152	119	126	132	95	89	128	140	134	125	92
1878													
Jan.	273	153	139	108	116	121	89	91	128	113	121	125	89
April	432	147	139	108	116	121	78	101	128	110	119	125	89
July	318	147	139	97	116	117	89	76	128	125	127	125	89
Oct.	345	165	133	97	116	115	91	77	128	125	127	125	89
1879													
Jan.	327	150	124	97	116	112	93	70	128	120	124	125	82
April	350	150	124	97	116	112	91	74	128	125	127	125	82
July	309	150	139	97	116	117	125	76	128	125	127	125	82
Oct.	273	174	145	108	116	123	133	96	128	150	139	125	88
1880													
Jan.	236	176	164	124	121	136	147	117	128	125	127	125	93
April	295	176	164	135	121	140	167	110	128	125	127	125	93
July	273	165	133	135	121	130	164	116	128	125	127	125	93
Oct.	268	165	145	135	121	134	140	115	128	125	127	125	93

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Silk	Soap	Soda	Spruce	Starch						Starch	Sugar	
	Raw Italian	Castile	Ash	Boards	On-tario	Pearl	Pure	Re-fined	Silver Gloss	Av.	Corn	Fair refining	Gran-ulated
Market													
Refer.	1835	101	261	238	106	107	108	109	110		105	112	114
Unit	lb.	lb.	lb.	M. ft.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.
Base	$	$	$	$	$	$	$	$	$		$	$	$
price	9.00	.085	.02375	12.00	.045	.054	.0585	.063	.06975		.0765	.0725	.10
1860					*	*	*	*	*			*	*
Jan.	100	100	100	92	100	100	100	100	100	100	100	100	100
April	100	115	100	92	100	100	100	100	100	100	100	93	98
July	106	118	95	100	100	100	100	100	100	100	100	91	100
Oct.	100	109	89	100	100	100	100	100	100	100	100	86	94
1861													
Jan.	100	115	89	100	100	100	100	100	100	100	100	74	84
April	83	112	89	100	100	100	100	100	100	100	100	66	80
July	78	118	79	88	100	100	100	100	100	100	100	64	78
Oct.	72	141	105	83	100	92	92	93	94	94	94	107	109
1862													
Jan.	72	153	121	83	100	92	92	93	94	94	94	107	110
April	72	159	111	83	100	92	92	93	94	94	94	102	103
July	83	156	105	79	100	92	92	93	94	94	94	102	105
Oct.	81	165	116	98	110	100	100	100	100	102	100	121	129
1863													
Jan.	75	171	126	98	130	117	115	114	113	118	112	131	133
April	72	203	142	98	140	125	123	121	119	126	118	134	145
July	67	200	142	131	130	117	115	114	113	118	112	141	148
Oct.	67	194	142	127	130	117	115	114	113	118	112	159	146
1864													
Jan.	69	218	153	127	160	142	138	136	132	142	129	166	169
April	75	206	168	177	180	158	154	150	145	157	141	207	179
July	89	282	221	202	200	175	169	164	158	173	153	269	300
Oct.	94	247	205	192	244	192	185	179	171	194	165	221	255
1865													
Jan.	89	294	274	192	240	208	200	193	184	205	176	245	285
April	100	247	111	169	240	208	200	193	184	205	176	141	180
July	111	194	89	169	200	175	169	164	158	173	153	159	195
Oct.	100	253	137	169	200	175	169	164	158	173	153	190	203
1866													
Jan.	103	232	274	169	200	175	169	164	158	173	153	159	185
April	94	212	189	202	180	158	154	150	145	157	141	141	160
July	103	224	105	202	180	158	154	150	145	157	141	145	168
Oct.	106	212	137	183	180	158	154	150	145	157	141	145	163
1867													
Jan.	106	200	121	183	200	175	169	164	158	173	153	134	150
April	111	200	111	158	200	175	169	164	158	173	153	138	148
July	103	212	105	158	200	175	169	164	158	173	153	159	166
Oct.	103	200	116	158	200	175	169	164	158	173	153	162	168
1868													
Jan.	100	188	95	158	200	175	169	164	158	173	153	159	168
April	133	194	105	162	200	175	169	164	158	173	153	148	168
July	128	194	95	175	200	175	169	164	158	173	153	157	168
Oct.	117	215	100	173	200	175	169	164	158	173	153	152	166
1869													
Jan.	111	176	95	173	200	175	169	164	158	173	153	155	153
April	100	156	95	177	180	158	154	150	145	157	141	157	170
July	94	156	95	175	180	158	154	150	145	157	141	157	158
Oct.	100	153	95	177	180	158	154	150	145	157	141	164	168

TABLE 2—(Continued).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Silk	Soap	Soda	Spruce			Starch				Starch	Sugar	
	Raw Italian	Castile	Ash	Boards	Ontario	Pearl	Pure	Refined	Silver Gloss	Av.	Corn	Fair refining	Granulated
1870					*	*	*	*	*			*	*
Jan.	94	153	95	177	180	158	154	150	145	157	141	145	149
April	97	144	95	175	180	158	154	150	145	157	141	126	125
July	97	135	95	175	180	158	154	150	145	157	141	129	135
Oct.	89	137	100	142	180	158	154	150	145	157	141	133	133
1871													
Jan.	89	121	100	142	180	158	154	150	145	157	141	128	141
April	83	124	105	142	180	158	154	150	145	157	141	124	129
July	83	131	95	171	160	142	138	136	132	142	129	126	131
Oct.	100	147	116	171	160	142	138	136	132	142	129	128	130
1872													
Jan.	100	132	121	171	160	142	138	136	132	142	129	126	124
April	103	—	211	171	160	142	138	136	132	142	129	117	120
July	106	141	126	144	160	142	138	136	132	142	129	119	126
Oct.	100	126	147	144	160	142	138	136	132	142	129	124	125
1873													
Jan.	97	118	121	144	160	142	138	136	132	142	129	126	123
April	89	112	126	144	160	142	138	136	132	142	129	110	114
July	97	112	111	152	160	142	138	136	132	142	129	105	105
Oct.	89	106	116	146	160	142	138	136	132	142	129	107	113
1874													
Jan.	83	106	105	146	160	142	138	136	132	142	129	102	105
April	78	110	95	146	160	142	138	136	132	142	129	103	101
July	72	106	89	146	160	142	138	136	132	142	129	108	104
Oct.	67	112	89	146	160	142	138	136	132	142	129	103	113
1875													
Jan.	67	106	95	146	150	142	138	136	132	140	129	110	106
April	64	100	95	140	150	142	138	136	132	140	129	109	105
July	75	99	84	140	150	142	138	136	132	140	129	107	108
Oct.	56	99	84	140	130	125	123	129	126	127	124	107	110
1876													
Jan.	61	100	84	140	130	125	123	129	126	127	124	110	104
April	61	115	84	140	130	125	123	129	126	127	124	103	103
July	117	106	84	202	130	125	123	129	126	127	124	112	105
Oct.	89	101	84	202	130	125	123	129	126	127	124	121	108
1877													
Jan.	89	103	84	202	130	125	123	129	126	127	124	131	118
April	81	97	79	202	126	122	120	125	122	123	120	119	110
July	78	97	79	173	126	122	120	125	122	123	120	133	120
Oct.	78	96	79	173	126	122	120	125	122	123	120	112	105
1878													
Jan.	67	—	74	173	126	122	120	125	122	123	120	102	86
April	64	—	68	108	126	122	120	125	122	123	120	103	96
July	56	—	68	108	97	97	105	111	107	103	103	99	94
Oct.	56	—	63	108	97	97	105	111	107	103	103	103	93
1879													
Jan.	56	—	63	110	97	97	105	111	107	103	103	88	89
April	83	—	68	110	97	97	105	111	107	103	103	86	81
July	69	—	63	144	97	97	105	111	107	103	103	88	84
Oct.	69	—	68	144	97	97	105	111	107	103	103	95	88
1880													
Jan.	69	—	84	144	97	97	105	111	107	103	103	105	98
April	69	—	84	144	97	97	105	111	107	103	103	105	95
July	67	—	63	125	97	97	105	111	107	103	103	106	101
Oct.	61	—	63	142	97	97	105	111	107	103	103	103	104

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Sugar	Sugar of Lead			Sulphuric Acid	Tallow	Tar	Timothy Seed				Tobacco	
Market	Av.	Brown	White	Av.				N. Y.	Cinn.	Chic.	Av.	Leaf, fine Cinn.	Leaf, Ky. N. Y.
Refer.		262	263		265	115	239	40	39	38		44	46
Unit		lb.	lb.		lb.	lb.	bbl.	bu.	bu.	bu.		100 lbs.	lb.
Base		$	$		$	$	$	$	$	$		$	*
price		.075	.115		.0275	.1025	2.50	2.604	2.58	2.472		11.00	.0840⅝
1860		*	*					*	*	*		*	*
Jan.	100	100	100	100	100	100	98	94	87	83	88	100	112
April	96	93	96	95	100	102	100	110	121	113	115	100	98
July	96	93	96	95	100	98	100	—	—	116	116	—	89
Oct.	90	100	96	98	100	98	100	96	92	87	92	—	101
1861													
Jan.	79	100	100	100	109	83	85	98	—	89	94	—	104
April	73	93	100	97	109	95	108	120	107	85	104	—	98
July	71	93	100	97	109	78	120	101	—	—	101	—	110
Oct.	108	93	100	97	109	83	200	72	58	57	62	118	125
1862													
Jan.	109	127	104	116	127	93	380	77	58	64	66	123	146
April	103	113	100	107	127	88	370	82	66	65	71	105	152
July	104	113	104	109	127	93	640	67	—	—	67	127	153
Oct.	125	127	139	133	127	110	—	74	64	60	66	182	223
1863													
Jan.	132	167	157	162	109	101	—	110	68	72	83	218	259
April	140	200	226	213	109	112	—	82	78	59	73	236	312
July	145	200	174	187	109	110	—	94	—	—	94	236	238
Oct.	153	120	139	130	109	110	—	94	99	91	95	205	213
1864													
Jan.	168	187	191	189	109	126	540	104	120	110	111	218	262
April	193	213	209	211	109	124	960	106	110	101	106	218	262
July	285	213	287	250	145	166	720	120	—	—	120	218	253
Oct.	238	640	478	559	173	143	600	192	229	162	194	205	318
1865													
Jan.	265	533	413	473	173	176	400	226	227	218	224	295	333
April	161	533	391	462	182	107	240	211	174	152	179	318	387
July	177	493	348	421	182	102	260	134	—	181	158	341	226
Oct.	197	—	435	435	182	141	600	182	155	144	160	341	297
1866													
Jan.	172	320	391	356	182	122	160	163	140	129	144	250	297
April	151	333	348	341	200	118	120	163	136	147	149	205	297
July	157	400	383	392	182	122	120	259	178	—	219	205	297
Oct.	154	360	261	311	164	127	120	127	128	114	123	205	232
1867													
Jan.	142	400	278	339	—	111	100	123	116	105	115	205	131
April	143	333	261	297	—	109	120	149	101	112	121	150	131
July	163	333	235	284	109	111	170	122	97	110	110	150	132
Oct.	165	333	235	284	109	118	150	112	103	86	100	168	158
1868													
Jan.	164	333	217	275	91	106	120	101	95	95	97	205	164
April	158	213	217	215	91	122	130	98	95	87	93	205	169
July	163	213	217	215	91	117	180	98	89	86	91	205	164
Oct.	159	227	217	222	91	124	150	120	122	107	116	205	158
1869													
Jan.	154	227	217	222	127	117	130	115	112	111	113	195	143
April	164	227	217	222	109	112	150	139	116	116	124	155	161
July	158	227	217	222	73	115	125	192	—	182	187	164	—
Oct.	166	227	217	222	91	112	156	178	155	126	153	173	143

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Sugar	Sugar of Lead			Sulphuric Acid	Tallow	Tar	Timothy Seed				Tobacco	
Market	Av.	Brown	White	Av.				N. Y.	Cinn.	Chic.	Av.	Leaf Fine	Leaf Ky.
1870		*	*					*	*	*		*	*
Jan.	147	160	243	202	109	99	110	158	151	152	154	155	125
April	126	160	187	174	73	94	100	216	233	217	222	155	134
July	132	160	187	174	73	98	80	283	—	—	283	145	126
Oct.	133	160	187	174	73	89	90	226	194	166	195	205	122
1871													
Jan.	135	160	187	174	73	88	94	230	203	241	225	159	106
April	127	160	187	174	64	88	110	278	223	212	238	159	106
July	129	160	187	174	64	92	140	149	—	152	151	164	98
Oct.	129	153	183	168	64	92	120	120	120	101	114	250	119
1872													
Jan.	125	147	165	156	55	89	140	130	116	127	124	241	119
April	119	160	157	159	55	88	140	125	109	99	111	241	126
July	123	160	143	152	55	90	130	125	—	109	117	205	126
Oct.	125	173	143	158	55	90	152	149	122	113	128	218	134
1873													
Jan.	125	167	139	153	55	85	140	130	124	131	128	236	134
April	112	167	152	160	73	87	160	143	120	129	131	245	122
July	105	167	143	155	91	83	170	166	132	127	142	245	122
Oct.	110	167	139	153	91	78	150	125	118	99	114	245	122
1874													
Jan.	104	167	139	153	91	76	115	134	114	113	120	150	116
April	102	167	172	170	91	76	120	120	114	101	112	273	109
July	106	167	174	171	91	81	110	115	—	109	112	223	172
Oct.	108	167	170	169	73	85	110	108	101	105	105	309	187
1875													
Jan.	108	167	165	166	73	87	95	107	97	105	103	318	186
April	107	167	161	164	64	85	90	104	97	95	99	314	186
July	108	167	157	162	55	88	95	104	93	105	101	314	186
Oct.	109	167	157	162	45	102	88	110	93	91	98	314	172
1876													
Jan.	107	167	157	162	59	96	80	106	89	99	98	250	152
April	103	160	130	145	64	85	90	104	86	95	95	245	125
July	109	160	143	152	64	84	80	108	104	101	104	245	155
Oct.	115	160	161	161	55	84	80	72	68	71	70	209	149
1877													
Jan.	125	100	161	131	64	84	110	73	69	69	70	209	134
April	115	100	163	132	41	78	90	73	60	63	65	209	134
July	127	100	163	132	41	79	100	75	64	71	70	209	116
Oct.	109	100	163	132	41	76	100	63	52	53	56	209	113
1878													
Jan.	94	100	163	132	45	74	90	54	48	49	50	164	113
April	100	100	165	133	36	73	80	54	47	49	50	164	83
July	97	97	165	131	36	68	90	52	47	49	49	164	86
Oct.	98	97	165	131	45	68	100	115	47	45	69	205	98
1879													
Jan.	89	110	165	138	55	65	80	56	41	44	47	227	—
April	84	110	135	123	36	64	112	52	48	48	49	227	86
July	86	110	122	116	36	59	90	66	58	59	61	191	86
Oct.	92	120	122	121	36	60	80	101	78	77	85	182	—
1880													
Jan.	102	123	120	122	36	66	90	106	99	107	104	200	98
April	100	133	113	123	36	59	90	115	91	93	100	205	98
July	104	127	113	120	36	61	80	108	86	93	96	150	95
Oct.	104	120	113	117	36	62	90	106	91	92	96	214	98

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Tobacco				Turpentine	Tubs—wooden					Vegetables		
	Av. Leaf	Wrappers Conn.	Wrappers Penn.	Av.		(1)	(2)	(3)	(4)	Av.	Potatoes (1)[1]	Potatoes (2)	Av.
Market	Cinn.	N.Y.	N.Y.										
Refer.	43	57	59		240	284	285	286	287		118	119	
Unit	100 lbs.	lb.	lb.		gal.	nest of 3	nest of 8	nest of 3	nest of 8		bbl.	bu.	
Base price	$ 6.375	$ .17	$ .13		$ .40	$ 1.25	$ 2.00	$ 1.45	$ 2.25		$ 1.75	$ .40	
1860	*	*	*			*	*	*	*		*	*	
Jan.	100	126	100	108	110	100	100	100	100	100	100	144	122
April	100	91	100	98	115	100	100	100	98	100	100	138	119
July	—	91	100	93	100	100	100	97	93	98	129	113	121
Oct.	—	91	100	97	105	100	100	90	89	95	100	100	100
1861													
Jan.	—	91	100	98	88	90	94	90	89	91	100	113	107
April	—	91	100	96	90	90	94	90	89	91	129	119	124
July	—	74	88	91	205	90	94	90	89	91	114	144	129
Oct.	84	74	88	98	363	90	94	86	87	89	114	106	110
1862													
Jan.	145	74	88	115	350	90	84	81	80	84	129	113	121
April	116	94	104	114	245	100	100	90	99	97	129	125	127
July	148	94	104	125	325	110	100	97	96	101	100	106	103
Oct.	222	118	131	175	563	120	113	105	104	111	129	106	118
1863													
Jan.	241	118	131	193	625	140	138	124	124	132	121	113	117
April	284	191	173	239	675	148	143	128	127	137	107	131	119
July	284	191	173	224	895	148	143	131	129	138	129	131	130
Oct.	220	191	173	200	688	152	150	131	129	141	143	125	134
1864													
Jan.	255	191	173	220	750	170	163	148	144	156	129	156	143
April	253	235	231	240	800	190	169	166	151	169	214	231	223
July	220	265	269	245	900	200	175	176	158	177	343	288	316
Oct.	216	265	269	255	608	170	169	148	149	159	171	200	186
1865													
Jan.	261	265	269	285	513	180	150	170	154	164	243	238	241
April	247	176	135	253	500	140	194	124	127	146	143	213	178
July	273	135	96	214	338	160	156	145	140	150	143	113	128
Oct.	240	162	115	231	263	170	163	148	144	156	157	194	176
1866													
Jan.	237	169	115	214	250	240	212	203	178	208	157	150	154
April	216	169	115	200	217	200	200	183	189	193	171	175	173
July	216	169	115	200	203	200	200	169	167	184	229	269	249
Oct.	212	169	115	187	167	200	188	155	167	178	157	119	138
1867													
Jan.	210	206	162	183	167	160	163	155	164	161	164	169	167
April	139	235	—	164	192	160	156	126	133	144	314	194	254
July	139	324	231	195	147	150	150	124	133	139	171	156	164
Oct.	166	191	238	184	145	160	156	117	122	139	257	188	223
1868													
Jan.	196	191	192	190	128	130	138	110	118	124	271	281	276
April	193	235	192	199	167	130	138	114	122	126	300	350	325
July	193	250	165	195	110	130	138	112	111	123	157	188	173
Oct.	216	235	204	204	107	150	150	112	111	131	186	200	193
1869													
Jan.	199	324	335	239	120	140	131	103	116	123	164	213	189
April	161	265	212	191	128	148	144	110	116	130	154	194	174
July	174	235	212	196	105	140	138	114	116	127	143	138	141
Oct.	172	235	281	201	109	150	150	128	129	139	114	156	135

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Tobacco				Turpentine	Tubs—wooden					Vegetables		
	Av. Leaf *	Wrappers Conn. *	Wrappers Penn. *	Av.		(1) *	(2) *	(3) *	(4) *	Av.	Potatoes (1)[1] *	Potatoes (2) *	Av.
1870													
Jan.	176	253	308	203	110	150	150	128	129	139	129	169	149
April	176	368	308	228	117	140	138	110	116	126	114	156	135
July	132	294	308	201	95	120	125	107	113	116	171	238	205
Oct.	160	265	308	212	100	150	150	112	118	133	157	194	176
1871													
Jan.	157	221	258	180	122	134	138	114	118	126	214	256	235
April	157	221	231	175	130	140	135	114	118	127	214	263	239
July	139	253	238	178	117	140	125	114	118	124	129	363	246
Oct.	230	176	269	209	162	130	125	114	118	122	171	138	155
1872													
Jan.	235	176	269	208	172	120	125	103	107	114	121	146	134
April	235	191	269	212	172	120	125	107	122	119	157	173	165
July	214	176	269	198	117	120	125	114	118	119	171	50	111
Oct.	209	147	269	195	162	120	128	114	118	120	171	125	148
1873													
Jan.	256	147	177	190	150	124	130	107	122	121	200	231	216
April	256	279	277	236	147	124	128	110	116	120	214	206	210
July	256	279	277	236	112	120	130	107	116	118	200	269	235
Oct.	256	197	315	227	103	128	130	107	116	120	114	125	120
1874													
Jan.	169	197	327	192	104	120	125	107	116	117	171	231	201
April	245	197	327	230	116	120	125	107	113	116	229	225	227
July	224	141	250	202	90	104	115	107	113	110	129	269	199
Oct.	323	132	223	235	91	104	115	103	109	108	129	144	137
1875													
Jan.	341	132	223	240	88	112	113	103	111	110	143	173	158
April	335	132	223	238	90	112	110	103	111	109	157	169	163
July	335	132	223	238	83	104	105	100	109	105	93	256	175
Oct.	313	103	204	221	83	100	105	95	100	100	136	106	121
1876													
Jan.	269	103	204	196	95	100	100	97	100	99	100	119	110
April	259	109	138	175	105	100	100	90	91	95	100	106	103
July	259	118	146	185	78	88	88	90	91	89	200	88	144
Oct.	204	132	150	169	88	88	88	90	93	90	186	152	169
1877													
Jan.	205	132	150	166	113	88	90	79	82	85	214	244	229
April	205	115	308	194	95	88	93	83	82	87	214	263	239
July	205	147	308	194	78	88	88	83	82	85	79	244	162
Oct.	205	126	288	188	88	88	85	83	82	85	100	125	113
1878													
Jan.	176	126	288	173	81	88	85	79	84	84	114	138	126
April	173	118	269	161	78	80	80	83	78	80	143	119	131
July	173	118	269	162	73	80	78	72	78	77	114	63	89
Oct.	199	140	196	168	70	80	78	72	78	77	129	175	152
1879													
Jan.	229	—	—	228	70	80	75	72	82	77	114	231	173
April	229	126	231	180	85	80	75	69	73	74	186	194	190
July	217	126	231	170	69	80	75	72	78	76	100	231	166
Oct.	188	—	—	185	78	84	78	72	73	77	100	119	110
1880													
Jan.	218	140	196	170	110	128	125	103	107	116	100	125	113
April	222	140	196	172	100	112	115	110	111	112	100	113	107
July	169	140	204	152	70	112	115	83	93	101	129	94	112
Oct.	209	140	204	173	100	96	95	86	87	91	114	138	126

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[1] Prices are for February, May, August, November.

TABLE 2—(CONTINUED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Wheat				Window Glass				Wood-screws	Wool			
	Spring	Spring No. 2	Winter	Av.	American firsts	French firsts	French thirds	Av.		Ohio fleece coarse	Ohio fleece fine	Ohio fleece medium	Av.
Market	New York	Chicago	New York							East. Mkt.	East. Mkt.	East. Mkt.	
Refer.	62	60	63		241	242	243		218	Mauger & Avery			
Unit	bu.	bu.	bu.		50 ft	50 ft	50 ft		gross	lb.	lb.	lb.	
Base price	$ 1.24⅛	$ .975	$ 1.38⅜		$ 2.40	$ 3.20	$ 2.175		$ .222	$ .42	$ .60	$ .50	
1860	*	*	*		*	*	*			*	*	*	
Jan.	105	99	102	102	92	85	106	94	100	100	100	100	100
April	98	105	105	103	92	100	106	99	100	95	87	90	91
July	103	108	102	104	100	100	100	100	81	95	92	100	96
Oct.	94	88	91	91	100	100	100	100	117	95	83	90	89
1861													
Jan.	97	82	98	92	100	94	100	98	117	88	75	80	81
April	102	81	99	94	100	109	98	102	117	76	75	74	75
July	65	57	78	67	100	96	98	98	117	52	63	60	58
Oct.	94	74	95	88	100	96	109	102	117	119	78	96	98
1862													
Jan.	103	70	103	92	100	96	119	105	117	119	80	100	100
April	102	74	97	91	100	96	141	112	117	102	77	90	90
July	85	75	86	82	100	96	156	117	117	107	80	94	94
Oct.	92	83	93	89	100	96	147	114	117	150	100	120	123
1863													
Jan.	103	86	107	99	133	115	141	130	135	167	125	136	149
April	99	110	125	111	133	141	156	143	158	190	133	170	164
July	102	97	108	102	153	133	156	147	158	155	125	140	140
Oct.	103	104	98	102	131	117	156	135	119	181	142	160	161
1864													
Jan.	118	115	116	116	131	125	185	147	158	181	133	156	157
April	131	114	126	124	257	146	185	196	158	171	130	154	152
July	193	199	190	194	208	223	225	219	216	214	167	200	194
Oct.	149	149	143	147	250	206	254	237	216	238	172	190	200
1865													
Jan.	184	160	185	176	242	232	260	245	216	229	170	200	200
April	137	101	134	124	210	193	219	207	216	179	133	160	157
July	103	92	107	101	178	155	150	161	216	155	125	146	142
Oct.	141	126	166	144	226	180	178	195	216	155	125	150	143
1866													
Jan.	139	98	148	128	242	180	219	214	216	119	117	130	122
April	112	93	141	115	226	180	219	208	216	114	108	120	114
July	155	119	177	150	226	180	191	199	216	143	117	134	131
Oct.	177	195	199	190	226	180	191	199	216	133	105	120	119
1867													
Jan.	181	196	224	200	226	180	191	199	216	119	113	106	113
April	199	227	229	218	210	159	191	187	216	119	100	110	110
July	157	177	173	169	178	142	178	166	216	107	92	98	99
Oct.	193	192	195	193	183	169	180	177	144	95	80	92	89
1868													
Jan.	193	201	195	196	155	137	157	150	144	90	80	86	85
April	197	196	197	197	155	169	170	165	132	107	83	96	95
July	162	184	166	171	141	141	141	141	132	102	77	90	90
Oct.	135	142	154	144	172	141	142	152	132	107	80	96	94
1869													
Jan.	127	118	134	126	172	141	142	152	132	114	83	100	99
April	117	112	—	115	172	141	141	151	132	114	83	100	99
July	118	128	104	117	155	127	141	141	132	112	80	96	96
Oct.	108	110	102	107	155	148	137	147	132	110	80	96	95

TABLE 2—(CONCLUDED).

Relative prices of 153 commodities at wholesale, by quarters: 1860-1880.

Commodity	Wheat				Window Glass				Wood-screws	Wool			
	Spring	Spring No. 2	Winter	Av.	Amer. firsts	French firsts	French thirds	Av.		Ohio Fleece coarse	Ohio Fleece fine	Ohio Fleece medium	Av.
1870	*	*	*		*	*	*			*	*	*	
Jan.	101	79	93	91	137	140	137	138	132	105	80	92	92
April	87	78	89	85	124	146	137	136	132	110	80	94	95
July	98	106	103	102	108	103	123	111	125	102	77	90	90
Oct.	95	114	94	101	137	131	137	135	122	105	80	96	94
1871													
Jan.	108	113	107	109	137	133	127	132	129	102	78	92	91
April	123	130	121	125	137	141	137	138	129	112	83	104	100
July	117	127	112	119	124	107	147	126	148	131	103	120	118
Oct.	128	127	121	125	137	114	123	125	148	138	105	124	122
1872													
Jan.	124	124	114	121	219	120	123	154	148	157	117	145	140
April	123	124	123	123	225	160	170	185	170	181	133	160	158
July	124	124	119	122	202	160	147	170	170	155	120	140	138
Oct.	130	123	113	122	202	160	156	173	213	136	110	120	122
1873													
Jan.	133	123	139	132	169	160	152	160	213	155	117	136	136
April	135	123	139	132	179	168	156	168	224	114	93	106	104
July	121	119	114	118	179	128	172	160	224	105	83	96	95
Oct.	116	104	117	112	179	133	142	151	224	112	90	106	103
1874													
Jan.	129	122	120	124	179	106	127	137	197	112	97	108	106
April	125	125	117	122	179	120	127	142	197	112	93	112	106
July	112	119	101	111	179	110	137	142	197	110	88	106	101
Oct.	93	97	85	92	179	115	137	144	192	112	90	108	103
1875													
Jan.	92	93	93	93	192	118	137	149	192	112	92	112	105
April	96	99	93	96	150	143	147	147	152	110	90	104	101
July	96	107	98	100	129	130	147	135	152	110	87	98	98
Oct.	105	116	99	107	107	133	147	129	108	100	80	100	93
1876													
Jan.	98	99	99	99	107	111	142	120	93	100	80	104	95
April	104	106	102	104	107	112	142	120	93	95	77	98	90
July	94	107	94	98	214	112	142	156	69	74	63	70	69
Oct.	101	110	94	102	214	100	137	150	73	79	75	80	78
1877													
Jan.	119	129	107	118	142	114	137	131	61	86	77	86	83
April	120	130	119	123	142	114	137	131	61	79	75	80	78
July	131	149	141	140	127	101	107	112	61	88	83	88	86
Oct.	110	113	105	109	120	106	109	112	56	86	80	88	85
1878													
Jan.	109	112	103	108	142	106	107	118	60	90	73	90	84
April	104	115	98	106	127	76	111	105	60	83	67	86	79
July	81	92	84	86	96	96	111	101	68	76	60	72	69
Oct.	—	90	76	83	89	90	111	97	54	76	58	74	69
1879													
Jan.	85	84	79	83	135	93	111	113	57	76	57	70	68
April	92	91	83	89	135	93	98	109	57	74	57	68	66
July	94	108	84	95	92	74	88	85	57	81	62	76	73
Oct.	103	108	93	101	92	74	111	92	64	90	68	86	81
1880													
Jan.	119	135	114	123	124	125	110	120	83	114	83	110	102
April	103	117	100	107	103	125	129	119	90	124	92	120	112
July	87	90	84	87	139	100	111	117	98	100	77	96	91
Oct.	87	96	79	87	139	100	111	117	83	100	77	96	91

TABLE 3.

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

Note.—The American figures are based on average actual prices in January, April, July, and October of each year. The English prices are from Sauerbeck's table, re-computed on the basis: actual prices in 1860 = 100. The German figures are from Soetbeer's table, similarly re-computed. For further explanations, see Chapter II, Section iii, pp. 31-33.

TABLE 3.

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

A.—Relative prices at wholesale in the United States and England.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Wheat: No. 2. Spring	60	U.S.	1	100	73	76	99	144	120	126	198	181	117
Wheat: American		Eng.	1	100	104	104	84	75	79	94	121	120	91
Oats	32	U.S.	1	100	81	108	178	221	199	130	168	195	177
Oats: English Gazette		Eng.	1	100	97	93	87	82	89	101	107	115	107
Corn	8	U.S.	1	100	81	81	114	198	170	121	161	164	137
Maize: American mixed		Eng.	1	100	106	89	83	83	86	91	117	111	89
Barley: No. 1	3	U.S.	1	100	57	93	181	230	154	104	139	311	246
Barley: English Gazette		Eng.	1	100	99	96	93	82	81	102	109	118	108
Rice: Carolina prime	96	U.S.	1	100	114	163	—	—	244	274	222	210	193
Rice: Rangoon, cargoes to arrive		Eng.	1	100	102	102	107	93	105	117	115	107	93
Flour: wheat	79	U.S.	1	100	98	97	—	—	—	192	188	171	139
Flour: town made, white		Eng.	1	100	108	98	85	79	81	94	119	113	83
Potatoes: white (average)	118	U.S.	2	100	102	102	109	189	157	156	178	210	138
Potatoes: good English		Eng.	1	100	105	109	82	68	77	77	118	114	77
Butter	73	U.S.	1	100	82	99	124	206	209	237	174	231	221
Butter: Friesland, fine		Eng.	1	100	100	100	95	97	103	99	103	112	102
Sugar: fair refining	112	U.S.	1	100	84	116	153	233	198	159	160	166	171
Sugar: Br. W. Indian refining		Eng.	1	100	92	83	88	108	92	88	92	92	100
Beef: fresh (average)	88	U.S.	2	100	93	88	102	143	192	170	174	173	172
Beef: Av. of prime and middling		Eng.	2	100	99	93	96	103	108	109	106	101	110
Mutton	91	U.S.	1	100	98	93	112	136	171	160	157	164	167
Mutton: Average of prime and middling		Eng.	2	100	99	96	96	100	115	110	99	93	103

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

A.—Relative prices at wholesale in the United States and England.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Wheat: No. 2. Spring	60	U.S.	94	124	124	117	116	104	105	130	102	98	109
Wheat: American		Eng.	88	105	111	118	107	90	90	103	90	90	96
Oats	32	U.S.	144	148	118	116	142	150	107	100	80	82	101
Oats: English Gazette		Eng.	94	103	95	104	118	117	108	106	100	89	95
Corn	8	U.S.	136	105	96	87	117	112	86	80	73	65	75
Maize: American mixed		Eng.	86	94	83	86	109	97	76	78	71	68	74
Barley: No. 1	3	U.S.	133	123	97	137	215	191	119	104	111	130	132
Barley: English Gazette		Eng.	95	99	102	111	123	105	96	108	110	93	90
Rice: Carolina prime	96	U.S.	172	186	196	188	184	174	146	145	142	146	158
Rice: Rangoon, cargoes to arrive		Eng.	93	96	98	93	98	81	88	98	98	94	89
Flour: wheat	79	U.S.	108	120	142	134	125	119	115	127	106	101	104
Flour: town made, white		Eng.	85	92	96	106	98	83	85	94	79	75	81
Potatoes: white (average)	118	U.S.	143	188	123	169	165	133	116	160	109	137	99
Potatoes: good English		Eng.	82	73	127	146	96	96	123	118	141	118	118
Butter	73	U.S.	185	172	157	160	176	161	165	145	145	119	156
Butter: Friesland, fine		Eng.	110	115	105	109	119	112	120	112	108	95	111
Sugar: fair refining	112	U.S.	144	136	131	121	116	117	120	133	110	96	113
Sugar: Br. W. Indian refining		Eng.	96	106	106	94	90	83	90	102	83	79	85
Beef: fresh (average)	88	U.S.	172	163	157	152	147	147	133	129	116	113	113
Beef: Av. of prime and middling		Eng.	113	123	121	132	123	130	124	119	119	109	117
Mutton	91	U.S.	171	155	181	167	176	162	162	157	129	125	126
Mutton: Average of prime and middling		Eng.	104	115	121	126	108	122	122	116	116	109	113

TABLE 3—(Continued.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

A.—Relative prices at wholesale in the United States and England.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Pork: salt mess	92	U.S.	1	100	91	66	82	182	173	172	128	146	169
Pork: large and small, average		Eng.	1	100	100	96	89	91	102	100	83	83	102
Cotton: upland, middling	11, 134	U.S.	2	100	141	364	675	991	577	382	257	241	267
Cotton: middling, upland		Eng.	1	100	137	276	372	440	304	248	174	168	194
Wool: Ohio fleece	*	U.S.	3	100	86	108	161	186	171	130	109	97	103
Wool: merino		Eng.	1	100	90	90	91	95	92	98	88	80	68
Silk: raw, Italian	1835	U.S.	1	100	82	76	69	81	99	100	104	118	100
Silk: Tsatlee		Eng.	1	100	87	91	91	96	117	122	117	109	113
Hides: dry	17, 18, 19	U.S.	3	100	101	116	137	142	96	82	96	92	108
Hides: River Plate, dry		Eng.	1	100	87	80	70	67	63	61	61	67	70
Hides: salted	21, 23	U.S.	3	100	77	91	110	134	105	100	111	121	121
Hides: River Plate, salted		Eng.	1	100	88	81	72	72	69	69	69	75	69
Leather: harness	148	U.S.	1	100	91	95	123	157	155	147	143	137	134
Leather: crop hides		Eng.	1	100	87	84	84	81	81	84	81	84	84
Tallow: prime city	115	U.S.	1	100	85	96	109	141	132	123	113	118	115
Tallow: town		Eng.	1	100	96	84	79	75	81	82	79	82	82
Flaxseed	13	U.S.	1	100	95	121	220	243	206	238	211	201	188
Linseed		Eng.	1	100	107	116	116	116	120	109	124	115	111
Linseed Oil	255	U.S.	1	100	95	146	235	262	243	264	219	183	171
Linseed Oil		Eng.	1	100	107	135	148	124	117	131	128	110	103
Soda Ash	261	U.S.	1	100	95	119	144	195	159	184	118	103	99
Nitrate of Soda		Eng.	1	100	92	95	98	107	97	85	81	92	107

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* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

A.—Relative prices at wholesale in the United States and England.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Pork: salt mess	92	U.S.	155	93	76	90	104	118	114	85	59	53	74
Pork: large and small, average		Eng.	104	94	93	100	100	106	109	94	93	89	102
Cotton: upland, middling	11, 134	U.S.	196	163	203	183	153	137	114	110	101	100	112
Cotton: middling, upland		Eng.	159	137	169	144	128	118	100	101	98	101	111
Wool: Ohio fleece	*	U.S.	98	114	148	116	110	106	88	88	80	76	105
Wool: merino		Eng.	68	87	80	102	97	91	82	82	81	76	89
Silk: raw, Italian	1835	U.S.	93	88	101	92	74	64	81	80	60	69	66
Silk: Tsatlee		Eng.	122	117	113	95	74	69	91	87	72	70	65
Hides: dry	17, 18, 19	U.S.	108	112	121	125	121	109	93	106	101	92	113
Hides: River Plate, dry		Eng.	72	78	91	96	91	80	65	74	74	70	80
Hides: salted	21, 23	U.S.	104	121	129	121	110	105	90	104	93	95	112
Hides: River Plate, salted		Eng.	72	81	94	103	100	100	88	97	84	84	94
Leather: harness	148	U.S.	124	122	123	124	113	104	100	99	97	92	117
Leather: crop hides		Eng.	84	87	101	106	101	100	97	93	86	84	90
Tallow: prime city	115	U.S.	95	90	90	84	80	91	88	80	71	62	62
Tallow: town		Eng.	79	81	79	77	72	81	77	74	67	63	63
Flaxseed	13	U.S.	167	153	143	144	167	147	107	111	106	104	109
Linseed		Eng.	111	113	115	113	107	98	93	98	89	95	98
Linseed Oil	255	U.S.	153	143	140	163	148	115	100	106	103	105	120
Linseed Oil		Eng.	107	114	117	110	93	83	83	97	90	93	93
Soda Ash	261	U.S.	100	108	158	123	99	93	88	84	71	69	77
Nitrate of Soda		Eng.	110	110	109	105	83	83	78	95	102	102	105

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* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

A—Relative prices at wholesale in the United States and England.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Lead: Pipe	193	U.S.	1	100	101	132	165	269	242	178	162	182	169
Lead: English pig		Eng.	1	100	93	94	94	96	91	93	90	88	88
Copper: ingot	185	U.S.	1	100	86	112	140	194	162	151	113	101	103
Copper: Chile, bars		Eng.	1	100	94	92	91	94	87	85	75	74	73
Iron: bar, rolled	*	U.S.	1	100	104	120	155	249	181	167	148	146	139
Iron: bars, common		Eng.	1	100	92	96	108	127	119	112	104	98	104
Iron: pig, No. 1, foundry	*	U.S.	1	100	89	105	155	261	203	206	194	173	179
Iron: Scotch pig		Eng.	1	100	92	99	104	107	102	113	100	99	100
Coal: bituminous	178	U.S.	1	100	95	130	150	191	211	178	156	140	142
Coal: Wallsend, Hetton in London		Eng.	1	100	98	88	88	98	98	95	98	90	90

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* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

A—Relative prices at wholesale in the United States and England.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Lead: Pipe	193	U.S.	119	135	145	145	128	125	130	118	87	81	101
Lead: English pig		Eng.	84	83	92	107	101	102	99	93	76	69	75
Copper: ingot	185	U.S.	93	101	150	137	108	102	97	86	75	75	91
Copper: Chile, bars		Eng.	68	73	98	88	83	86	80	72	65	61	66
Iron: bar, rolled	*	U.S.	134	134	166	147	116	104	89	78	75	88	106
Iron: bars, common		Eng.	114	117	169	192	158	129	112	104	87	89	104
Iron: pig, No. 1, foundry	*	U.S.	146	155	216	188	133	112	98	83	78	96	125
Iron: Scotch pig		Eng.	102	110	190	219	164	123	109	102	91	88	102
Coal: bituminous	178	U.S.	130	129	130	134	132	120	103	93	82	86	99
Coal: Wallsend, Hetton in London		Eng.	90	93	124	156	122	117	102	98	88	88	76

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* Statistical Abstract, 1905, p. 538.

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Wheat: No. 2 Spring	60	U.S.	1	100	73	76	99	144	120	126	198	181	117
Wheat		Ger.	1	100	107	100	86	72	75	88	123	118	91
Oats: (New York)	32	U.S.	1	100	81	108	178	221	199	130	168	195	177
Oats		Ger.	1	100	97	91	77	88	103	104	114	122	116
Barley: No. 1 (Chicago)	3	U.S.	1	100	57	93	181	230	154	104	139	311	246
Barley		Ger.	1	100	100	96	90	78	93	111	117	125	121
Rye: (New York)	35	U.S.	1	100	79	89	121	178	142	129	166	206	161
Rye		Ger.	1	100	99	107	96	77	86	97	134	132	111
Tobacco: leaf, average fine Kentucky	43, 44, 46	U.S.	3	100	104	153	245	242	297	239	156	190	166
Tobacco		Ger.	1	100	113	119	94	94	79	72	80	85	97
Clover Seed: (Chicago)	5	U.S.	1	100	95	90	130	199	309	159	196	155	204
Clover Seed		Ger.	1	100	95	90	87	86	122	117	133	105	90
Rice: Carolina, prime	96	U.S.	1	100	114	163	—	—	244	274	222	210	193
Rice		Ger.	1	100	104	96	96	96	104	96	100	96	81
Flour: wheat	79	U.S.	1	100	98	97	—	—	—	192	188	171	139
Flour: wheat		Ger.	1	100	109	97	83	77	80	91	109	103	91
Flour: rye	80	U.S.	1	100	89	100	117	163	165	142	172	185	165
Flour: rye		Ger.	1	100	113	109	91	78	83	104	122	122	100
Beans	65	U.S.	1	100	109	143	150	148	133	151	210	273	193
Beans		Ger.	1	100	100	97	87	92	106	103	101	108	96
Butter	73	U.S.	1	100	82	99	124	206	209	237	174	231	221
Butter		Ger.	1	100	86	83	78	90	98	96	88	109	107

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B.—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Wheat: No. 2 Spring	60	U.S.	94	124	124	117	116	104	105	130	102	98	109
Wheat		Ger.	87	104	108	113	101	89	92	106	93	93	94
Oats: (New York)	32	U.S.	144	148	118	116	142	150	107	100	80	82	101
Oats		Ger.	97	103	100	110	123	117	116	112	96	93	99
Barley: No. 1 (Chicago)	3	U.S.	133	123	97	137	215	191	119	104	111	130	132
Barley		Ger.	95	108	129	134	130	129	115	123	119	129	125
Rye: (New York)	35	U.S.	119	122	103	105	123	114	104	99	87	79	114
Rye		Ger.	99	118	99	114	116	105	108	111	90	91	116
Tobacco: leaf, average fine Kentucky	43, 44, 46	U.S.	151	154	192	208	208	276	210	179	150	170	165
Tobacco		Ger.	94	96	113	103	103	99	103	98	93	88	94
Clover Seed: (Chicago)	5	U.S.	176	135	122	116	134	144	187	163	100	90	97
Clover Seed		Ger.	106	120	112	94	99	103	125	127	102	94	97
Rice: Carolina, prime	96	U.S.	172	186	196	188	184	174	146	145	141	146	158
Rice		Ger.	92	92	96	85	96	81	81	88	92	88	81
Flour: wheat	79	U.S.	108	120	142	134	125	119	115	127	106	101	104
Flour: wheat		Ger.	91	97	106	111	106	89	91	97	97	97	97
Flour: rye	80	U.S.	136	144	128	143	139	131	129	123	89	90	126
Flour: rye		Ger.	100	100	109	117	117	109	113	113	104	100	117
Beans	65	U.S.	131	143	176	179	165	122	88	146	100	83	94
Beans		Ger.	109	97	99	154	106	94	91	101	89	96	105
Butter	73	U.S.	185	172	157	160	176	161	165	145	145	119	156
Butter		Ger.	94	102	100	114	130	120	131	118	110	101	116

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Cheese	74	U.S.	1	100	81	75	125	173	184	190	164	160	188
Cheese		Ger.	1	100	92	91	101	96	98	103	107	102	108
Eggs	76	U.S.	1	100	83	90	119	150	168	163	157	184	179
Eggs		Ger.	1	100	100	112	107	110	98	102	97	102	105
Lard	85	U.S.	1	100	78	69	89	136	170	147	109	137	154
Lard		Ger.	1	100	95	79	67	86	119	105	92	110	115
Salt: (Ashton's and Turk's Island)	97, 100	U.S.	2	100	99	122	174	282	256	217	207	194	191
Salt		Ger.	1	100	100	100	75	50	50	50	50	50	50
Sugar: fair refining	112	U.S.	1	100	84	116	153	233	198	159	160	166	171
Sugar: raw		Ger.	1	100	84	83	83	102	84	81	83	88	102
Sugar: refined, crushed and granulated	114	U.S.	1	100	89	114	146	231	220	173	161	168	166
Sugar: refined		Ger.	1	100	99	93	93	107	92	93	95	99	105
Currants: Zante	82	U.S.	1	100	100	174	240	295	267	261	215	213	186
Currants		Ger.	1	100	96	91	93	91	84	91	84	73	78
Raisins	83	U.S.	1	100	71	131	159	164	213	156	144	162	126
Raisins		Ger.	1	100	97	93	100	92	88	117	110	93	83
Potatoes: white (average of)	118	U.S.	2	100	102	102	109	189	157	156	178	210	138
Potatoes		Ger.	1	100	125	79	78	85	86	91	115	97	92
Codfish	77	U.S.	1	100	114	154	131	175	289	220	213	198	189
Fish: cured		Ger.	1	100	105	133	126	117	138	136	107	112	133
Beef (loins and ribs)	88, 89	U.S.	2	100	93	88	102	143	192	170	174	173	172
Beef		Ger.	1	100	110	127	124	128	142	155	164	158	161
Mutton	91	U.S.	1	100	98	93	112	136	171	160	157	164	167
Mutton		Ger.	1	100	100	110	111	111	87	105	104	106	110

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Cheese	74	U.S.	150	134	147	141	144	145	127	132	106	80	123
Cheese		Ger.	103	106	120	120	118	119	119	129	115	108	112
Eggs	76	U.S.	179	143	151	161	161	148	131	121	97	103	97
Eggs		Ger.	105	115	123	133	129	133	126	122	124	120	126
Lard	85	U.S.	128	106	76	72	96	119	108	85	65	55	67
Lard		Ger.	111	91	71	76	93	108	99	87	69	65	75
Salt: (Ashton's & Turk's Island)	97, 100	U.S.	184	204	191	170	152	140	132	145	135	141	138
Salt		Ger.	75	75	75	100	100	75	75	75	75	50	50
Sugar: fair refining	112	U.S.	147	136	131	121	116	117	120	133	110	96	113
Sugar: raw		Ger.	97	136	98	95	93	86	90	105	103	95	95
Sugar: refined, crushed and granulated	114	U.S.	138	136	127	116	108	110	107	116	94	87	102
Sugar: refined		Ger.	101	110	112	104	96	92	90	101	90	85	89
Currants: Zante	82	U.S.	210	160	134	112	107	111	119	112	90	71	106
Currants		Ger.	109	111	109	98	107	107	120	118	82	98	109
Raisins	83	U.S.	124	108	102	84	105	103	98	62	68	63	92
Raisins		Ger.	107	98	95	107	110	122	102	88	68	86	100
Potatoes: white (average of)	118	U.S.	143	188	123	169	165	133	116	160	109	137	99
Potatoes		Ger.	92	103	108	108	117	109	110	126	122	129	127
Codfish	77	U.S.	183	160	154	154	183	177	166	120	137	137	171
Fish: cured		Ger.	126	131	121	136	133	114	145	136	131	119	100
Beef (loins and ribs)	88, 89	U.S.	172	163	157	152	147	147	133	129	116	113	113
Beef		Ger.	161	175	178	197	191	188	199	202	200	184	196
Mutton	91	U.S.	171	155	181	167	176	162	162	157	129	125	126
Mutton		Ger.	117	123	156	114	128	137	159	156	152	147	150

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Pork: salt mess	92	U.S.	1	100	91	66	82	182	173	172	128	146	169
Pork		Ger.	1	100	100	112	112	112	112	104	99	108	120
Cotton: upland middling	11, 134	U.S.	2	100	141	364	675	991	577	382	257	241	267
Cotton		Ger.	1	100	125	230	364	424	228	255	196	151	187
Wool: Ohio fleece	*	U.S.	3	100	86	108	161	186	171	130	109	97	103
Wool		Ger.	1	100	90	96	92	77	82	76	69	72	66
Silk: raw Italian	1835	U.S.	1	100	82	76	69	81	99	100	104	118	100
Silk		Ger.	1	100	93	77	95	97	105	110	131	136	132
Print Cloths: standard, metacomet	151	U.S.	2	100	88	164	274	425	380	282	178	147	151
Piece goods: printed		Ger.	1	100	98	109	136	151	139	141	126	115	118
Carpets: Brus'ls, ingr'n & W'ton	125, 126, 127	U.S.	3	100	99	112	156	229	229	224	215	192	195
Carpets, etc.		Ger.	1	100	95	95	98	109	114	122	125	113	115
Pig Iron: No. 1, foundry	x	U.S.	1	100	89	105	155	261	203	206	194	173	179
Pig Iron		Ger.	1	100	100	100	114	114	114	114	114	100	100
Bar Iron: rolled	x	U.S.	1	100	104	120	155	249	181	167	148	146	139
Bar Iron		Ger.	1	100	95	95	100	114	110	110	105	95	95
Copper: ingot	185	U.S.	1	100	86	112	140	194	162	151	113	101	103
Copper		Ger.	1	100	94	93	88	95	87	92	82	75	76
Lead: pipe	193	U.S.	1	100	101	132	165	269	242	178	162	182	169
Lead		Ger.	1	100	98	93	93	96	91	96	89	96	93
Coal: bituminous	178	U.S.	1	100	95	130	150	191	211	178	156	140	142
Coal		Ger.	1	100	105	106	99	106	108	107	106	103	100
Hides: dry and salted	17-23	U.S.	6	100	89	104	124	138	101	91	104	107	115
Hides		Ger.	1	100	84	81	72	75	70	69	73	81	73

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* Statistical Abstract, 1905, p. 538. x Ibid., p. 539.

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B.—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Pork: salt mess	92	U.S.	155	93	76	90	104	118	114	85	59	53	74
Pork		Ger.	112	99	115	126	117	125	117	118	109	107	122
Cotton: upland middling	11, 134	U.S.	196	163	203	183	153	137	114	110	101	100	112
Cotton		Ger.	168	143	163	150	144	128	108	108	108	110	119
Wool: Ohio fleece	*	U.S.	98	114	148	116	110	106	88	88	80	76	105
Wool		Ger.	70	76	90	79	70	73	63	63	70	66	66
Silk: raw Italian	1835	U.S.	93	88	101	92	74	64	81	80	60	69	66
Silk		Ger.	120	120	133	133	100	88	105	112	91	77	89
Print Cloths: standard, metacomet	151	U.S.	130	135	144	118	104	96	75	78	64	66	82
Piece goods: printed		Ger.	113	113	118	114	112	114	107	102	100	93	91
Carpets: Brus'ls, ingr'n & W'ton	125, 126, 127	U.S.	168	168	178	168	162	159	150	135	127	115	133
Carpets, etc.		Ger.	113	114	123	123	122	117	110	100	96	91	92
Pig Iron: No. 1, foundry	x	U.S.	146	155	216	188	133	112	98	83	78	96	125
Pig Iron		Ger.	114	114	200	229	157	129	129	114	100	86	100
Bar Iron: rolled	x	U.S.	134	134	166	147	116	104	89	78	75	88	106
Bar Iron		Ger.	100	110	143	176	114	119	105	95	90	81	86
Copper: ingot	185	U.S.	93	101	150	137	108	102	97	86	75	75	91
Copper		Ger.	74	76	93	94	87	90	89	84	75	67	65
Lead: pipe	193	U.S.	119	135	145	145	128	125	130	118	87	81	101
Lead		Ger.	96	91	126	148	107	117	113	104	96	87	87
Coal: bituminous	178	U.S.	130	129	130	134	132	120	103	93	82	86	99
Coal		Ger.	100	102	143	181	146	119	109	101	92	86	87
Hides: dry and salted	17-23	U.S.	106	117	125	123	116	107	92	105	97	94	113
Hides		Ger.	79	91	106	110	105	95	78	79	73	73	82

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* Statistical Abstract, 1905, p. 538. x Ibid., p. 539.

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B.—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		No. of Series	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
Leather: harness	148	U.S.	1	100	91	95	123	157	155	147	143	137	134
Leather		Ger.	1	100	85	93	93	100	98	111	81	67	77
Tallow: prime city	115	U.S.	1	100	85	96	109	141	132	123	113	118	115
Tallow		Ger.	1	100	96	86	77	73	78	77	86	84	84
Candles: best adamantine	172	U.S.	1	100	98	92	101	115	132	116	113	113	113
Candles: tallow		Ger.	1	100	96	90	79	69	68	73	74	75	73
Linseed Oil	255	U.S.	1	100	95	146	235	262	243	264	219	183	171
Linseed Oil		Ger.	1	100	109	134	145	128	119	136	130	117	109
Rope: Manila and tarred American	206, 207	U.S.	2	100	103	126	171	213	231	225	231	216	217
Cordage		Ger.	1	100	99	112	119	109	101	104	112	119	116
Cement: Rosendale	223	U.S.	1	100	97	95	118	150	170	184	178	184	208
Cement		Ger.	1	100	100	100	100	83	83	83	83	83	83
Lime: Rockland	226	U.S.	1	100	107	92	128	155	203	217	235	240	200
Lime		Ger.	1	100	100	100	133	100	100	100	100	100	100
Tar: Wilmington	239	U.S.	1	100	129	466	—	709	327	131	136	146	141
Tar		Ger.	1	100	133	144	111	89	78	67	72	78	83
Rubber: Para	291	U.S.	1	100	73	90	129	153	141	134	128	128	147
India Rubber		Ger.	1	100	65	74	70	59	61	87	73	77	59
Mercury	256	U.S.	1	100	95	89	131	245	156	150	157	141	138
Quicksilver		Ger.	1	100	98	100	98	116	101	95	101	94	101
Potash: bichromate of	247	U.S.	1	100	100	98	111	127	123	115	93	90	81
Potash: prussiate and chromate of		Ger.	1	100	87	75	78	71	63	64	56	58	56

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

B.—Relative prices at wholesale in the United States and Germany.

Commodity	Page of Ald. Rept.		1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Leather: harness	148	U.S.	124	122	123	124	113	104	100	99	97	92	117
Leather		Ger.	77	72	84	76	89	70	73	69	59	60	69
Tallow: prime city	115	U.S.	95	90	90	84	80	91	88	80	71	62	62
Tallow		Ger.	83	82	80	78	77	81	82	80	76	66	65
Candles: best adamantine	172	U.S.	108	106	106	106	103	92	83	75	70	62	59
Candles: tallow		Ger.	71	71	69	71	71	66	65	66	63	60	54
Linseed Oil	255	U.S.	153	143	140	163	148	115	100	106	103	105	120
Linseed Oil		Ger.	112	119	122	119	106	91	95	103	100	97	102
Rope: Manila and tarred American	206, 207	U.S.	206	186	181	167	153	152	145	142	122	118	143
Cordage		Ger.	112	116	118	131	126	126	119	112	114	97	108
Cement: Rosendale	223	U.S.	205	188	172	180	157	129	126	116	97	100	111
Cement		Ger.	83	83	83	117	100	100	83	83	83	83	83
Lime: Rockland	226	U.S.	172	198	198	193	150	172	123	107	93	118	118
Lime		Ger.	100	100	100	167	100	133	133	133	133	133	100
Tar: Wilmington	239	U.S.	96	117	141	156	114	93	83	101	91	91	88
Tar		Ger.	94	100	111	122	122	106	106	100	89	89	89
Rubber: Para	291	U.S.	160	135	126	118	107	104	100	90	77	98	137
India Rubber		Ger.	77	85	97	90	73	70	72	65	68	80	110
Quicksilver		Ger.	123	154	156	187	258	189	107	92	88	75	77
Mercury	256	U.S.	111	136	162	191	294	177	158	123	101	92	98
Potash: bichromate of	247	U.S.	68	80	100	99	87	88	82	63	60	60	67
Potash: prussiate and chromate of		Ger.	56	74	102	95	71	62	52	50	47	61	62

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

C.—Relative prices at wholesale in England and Germany.

Commodity.		1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Wheat: English Gazette	Eng.	100	104	104	84	75	79	94	121	120	91	88
Wheat	Ger.	100	107	100	86	72	75	88	123	118	91	87
Flour: town made, white	Eng.	100	108	98	85	79	81	94	119	113	83	85
Flour: wheat	Ger.	100	109	97	83	77	80	91	109	103	91	91
Barley: English Gazette	Eng.	100	99	96	93	82	81	102	109	118	108	95
Barley	Ger.	100	100	96	90	78	93	111	117	125	121	95
Oats: English Gazette	Eng.	100	97	93	87	82	89	101	107	115	107	94
Oats	Ger.	100	97	91	77	88	103	104	114	122	116	97
Potatoes: good English	Eng.	100	105	109	82	68	77	77	118	114	77	82
Potatoes	Ger.	100	125	79	78	85	86	91	115	97	92	92
Rice: Rangoon	Eng.	100	102	102	107	93	105	117	115	107	93	93
Rice	Ger.	100	104	96	96	96	104	96	100	96	81	92
Beef: middling	Eng.	100	100	93	98	105	110	112	107	102	110	114
Beef	Ger.	100	110	127	124	128	142	155	164	158	161	161
Mutton: middling	Eng.	100	100	96	96	102	116	110	100	94	102	104
Mutton	Ger.	100	100	110	111	111	87	105	104	106	110	117
Pork: large and small, average	Eng.	100	100	96	89	91	102	100	83	83	102	104
Pork	Ger.	100	100	112	112	112	112	104	99	108	120	112
Butter: Friesland, fine to finest	Eng.	100	100	100	95	97	103	99	103	112	102	110
Butter	Ger.	100	86	83	78	90	98	96	88	109	107	94
Sugar: refining	Eng.	100	92	83	88	108	92	88	92	92	100	96
Sugar: raw	Ger.	100	84	83	83	102	84	81	83	88	102	97
Coffee: Rio. good	Eng.	100	92	100	112	112	97	85	75	65	72	75
Coffee	Ger.	100	101	111	115	114	107	99	89	79	81	83

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

C.—Relative prices at wholesale in England and Germany.

Commodity.		1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Wheat: English Gazette	Eng.	106	107	110	105	85	87	107	87	82	83
Wheat	Ger.	104	108	113	101	89	92	106	93	93	94
Flour: townmade, white	Eng.	92	96	106	98	83	85	94	79	75	81
Flour: wheat	Ger.	97	106	111	106	89	91	97	97	97	97
Barley: English Gazette	Eng.	99	102	111	123	105	96	108	110	93	90
Barley	Ger.	108	129	134	130	129	115	123	119	129	125
Oats: English Gazette	Eng.	103	95	104	118	117	108	106	100	89	95
Oats	Ger.	103	100	110	123	117	116	112	96	93	99
Potatoes: good English	Eng.	73	127	146	96	96	123	118	141	118	118
Potatoes	Ger.	103	108	108	117	109	110	126	122	129	127
Rice: Rangoon	Eng.	96	98	93	98	81	88	98	98	94	89
Rice	Ger.	92	96	85	96	81	81	88	92	88	81
Beef: middling	Eng.	126	124	133	121	131	124	117	117	107	117
Beef	Ger.	175	178	197	191	188	199	202	200	184	196
Mutton: middling	Eng.	118	122	126	106	118	116	108	110	104	108
Mutton	Ger.	123	156	114	128	137	159	156	152	147	150
Pork: large and small, average	Eng.	94	93	100	100	106	109	94	93	89	102
Pork	Ger.	99	115	126	117	125	117	118	109	107	122
Butter: Friesland, fine to finest	Eng.	115	105	109	119	112	120	112	108	95	111
Butter	Ger.	102	100	114	130	120	131	118	110	101	116
Sugar: refining	Eng.	106	106	94	90	83	90	102	83	79	85
Sugar: raw	Ger.	136	98	95	93	86	90	105	103	95	95
Coffee: Rio. good	Eng.	93	118	143	140	133	123	128	103	97	102
Coffee	Ger.	92	120	145	152	148	136	141	122	111	117

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

C.—Relative prices at wholesale in England and Germany.

Commodity.		1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Tea: Congou, common	Eng.	100	74	83	79	68	68	72	72	86	80	74
Tea	Ger.	100	78	89	93	83	77	74	91	90	82	73
Iron: Scotch pig	Eng.	100	92	99	104	107	102	113	100	99	100	102
Iron: pig	Ger.	100	100	100	114	114	114	114	114	100	100	114
Iron: bars, common	Eng.	100	92	96	108	127	119	112	104	98	104	114
Iron: bar	Ger.	100	95	95	100	114	110	110	105	95	95	100
Copper: Chile, bars	Eng.	100	94	92	91	94	87	85	75	74	73	68
Copper	Ger.	100	94	93	88	95	87	92	82	75	76	74
Tin: Straits	Eng.	100	91	89	92	79	70	63	66	73	96	95
Tin	Ger.	100	89	86	94	81	72	65	67	70	87	93
Lead: English pig	Eng.	100	93	94	94	96	91	93	90	88	88	84
Lead	Ger.	100	98	93	93	96	91	96	89	96	93	96
Coal: Wallsend, Hetton in London	Eng.	100	98	88	88	98	98	95	98	90	90	90
Coal	Ger.	100	105	106	99	106	108	107	106	103	100	100
Cotton: middling upland	Eng.	100	137	276	372	440	304	248	174	168	194	159
Cotton	Ger.	100	125	230	364	424	228	255	196	151	187	168
Flax: Russian, average import	Eng.	100	95	112	107	105	104	109	109	104	104	100
Flax	Ger.	100	104	106	117	101	79	126	126	125	121	113
Hemp: St. Petersburg, clean	Eng.	100	108	120	134	117	103	114	120	128	120	114
Hemp	Ger.	100	99	101	120	116	87	106	103	117	121	109
Wool: merino	Eng.	100	90	90	91	95	92	98	88	80	68	68
Wool	Ger.	100	90	96	92	77	82	76	69	72	66	70
Silk: Tsatlee	Eng.	100	87	91	91	96	117	122	117	109	113	122
Silk	Ger.	100	93	77	95	97	105	110	131	136	132	120

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

C.—Relative prices at wholesale in England and Germany.

Commodity.		1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
Tea: Congou, common	Eng.	71	71	74	71	68	59	48	48	55	54
Tea	Ger.	73	78	74	73	76	74	63	59	66	63
Iron: Scotch pig	Eng.	110	190	219	164	123	109	102	91	88	102
Iron: pig	Ger.	114	200	229	157	129	129	114	100	86	100
Iron: bars, common	Eng.	117	169	192	158	129	112	104	87	89	104
Iron: bar	Ger.	110	143	176	114	119	105	95	90	81	86
Copper: Chile, bars	Eng.	73	98	88	83	86	80	72	65	61	66
Copper	Ger.	76	93	94	87	90	89	84	75	67	65
Tin: Straits	Eng.	102	112	101	75	64	57	52	47	56	67
Tin	Ger.	100	112	107	77	72	67	59	53	53	65
Lead: English pig	Eng.	83	92	107	101	102	99	93	76	69	75
Lead	Ger.	91	126	148	107	117	113	104	96	87	87
Coal: Wallsend, Hetton in London	Eng.	93	124	156	122	117	102	98	88	88	76
Coal	Ger.	102	143	181	146	119	109	101	92	86	87
Cotton: middling upland	Eng.	137	169	144	128	118	100	101	98	101	111
Cotton	Ger.	143	163	150	144	128	108	108	108	110	119
Flax: Russian, average import	Eng.	90	95	88	83	90	94	85	89	70	89
Flax	Ger.	98	96	85	86	94	88	106	91	108	68
Hemp: St. Petersburg, clean	Eng.	111	120	120	114	114	123	117	97	83	77
Hemp	Ger.	124	119	111	123	111	106	113	97	87	89
Wool: merino	Eng.	87	80	102	97	91	82	82	81	76	89
Wool	Ger.	76	90	79	70	73	63	63	70	66	66
Silk: Tsatlee	Eng.	117	113	95	74	69	91	87	72	70	65
Silk	Ger.	120	133	133	100	88	105	112	91	77	89

TABLE 3—(CONTINUED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

C.—Relative prices at wholesale in England and Germany.

Commodity.		1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Hides: River Plate, salted	Eng.	100	88	81	72	72	69	69	69	75	69	72
Hides	Ger.	100	84	81	72	75	70	69	73	81	73	79
Leather: crop hides	Eng.	100	87	84	84	81	81	84	81	84	84	84
Leather	Ger.	100	85	93	93	100	98	111	81	67	77	77
Tallow: town	Eng.	100	96	84	79	75	81	82	79	82	82	79
Tallow	Ger.	100	96	86	77	73	78	77	86	84	84	83
Oil: palm	Eng.	100	98	94	80	74	80	91	89	87	89	85
Oil: palm	Ger.	100	101	94	79	90	90	97	100	102	103	98
Oil: olive	Eng.	100	98	97	95	98	88	98	107	114	90	88
Oil: olive	Ger.	100	98	95	92	96	93	116	114	127	98	101
Oil: linseed	Eng.	100	107	135	148	124	117	131	128	110	103	107
Oil: linseed	Ger.	100	109	134	145	128	119	136	130	117	109	112
Indigo: Bengal	Eng.	100	132	112	96	90	100	105	114	128	132	123
Indigo	Ger.	100	106	116	92	95	93	104	104	112	123	124

TABLE 3—(CONCLUDED.)

Relative wholesale prices of identical lists of commodities in the United States and England, the United States and Germany, and England and Germany: by years, 1860-1880.

C.—Relative prices at wholesale in England and Germany.

Commodity.		1871	1872	1878	1874	1875	1876	1877	1878	1879	1880
Hides: River Plate, salted	Eng.	81	94	103	100	100	88	97	84	84	94
Hides	Ger.	91	106	110	105	95	78	79	73	73	82
Leather: crop hides	Eng.	87	101	106	101	100	97	93	86	84	90
Leather	Ger.	72	84	76	89	70	73	69	59	60	69
Tallow: town	Eng.	81	79	77	72	81	77	74	67	63	63
Tallow	Ger.	82	80	78	77	81	82	80	76	66	65
Oil: palm	Eng.	83	85	83	78	78	83	87	83	74	70
Oil: palm	Ger.	128	98	92	87	87	92	97	97	85	80
Oil: olive	Eng.	85	83	74	72	74	79	85	85	79	71
Oil: olive	Ger.	95	90	80	83	88	89	96	98	92	91
Oil: linseed	Eng.	114	117	110	93	83	83	97	90	93	93
Oil: linseed	Ger.	119	122	119	106	91	95	103	100	97	102
Indigo: Bengal	Eng.	138	104	103	108	89	101	85	85	96	112
Indigo	Ger.	116	115	101	105	103	93	93	89	89	93

TABLE 4.

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

NOTE.—The series in the following table are arranged (1) alphabetically by commodities, (2) geographically by states, and (3) alphabetically by towns within the states. The references give the pages of the *Report on the Average Retail Prices of Necessaries of Life in the United States*, by Jos. D. Weeks (Tenth Census, Vol. XX), on which the series of actual prices may be found. The base prices shown in the table are actual prices in 1860, or, when that is missing, in 1861. For further explanations regarding the character of the material, see Chapter III, Section iv.

TABLE 4.

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Beans										Beef—fresh Roasting Pieces			
State	Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa		Mass.	Conn.	New Jersey	Pa.
Town	Boston	Jewett City	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids	Average	Boston	New London	Camden	New Castle
Reference	60	46	85	89	75	80	82	56	58		59	48	65	83
Unit	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.	qt.		lb.	lb.	lb.	lb.
Base	$	$	$	$	$	$	$	$	$		$	$	$	$
price	.06	.06	.06	.07	.05	.05	.06¼	.10	.10		.11½	.13	.14	.12½
1860	100	100	—	100	100	100	100	100	—	100	100	100	100	—
1861	100	117	100	143	80	100	96	100	100	104	100	123	100	100
1862	150	133	133	171	100	100	112	100	100	122	100	123	100	100
1863	167	167	167	171	160	100	128	100	120	142	130	138	114	120
1864	179	167	150	171	200	160	160	100	120	156	166	154	179	120
1865	142	150	200	171	200	160	160	100	125	156	207	169	250	120
1866	175	133	233	171	160	160	160	120	125	160	211	169	250	120
1867	208	167	233	171	160	200	160	120	125	172	237	192	214	100
1868	258	283	233	143	120	200	160	120	150	185	257	192	200	112
1869	233	233	217	143	120	200	192	120	150	179	243	192	179	112
1870	171	200	200	143	120	200	192	120	125	163	239	154	179	100
1871	179	183	200	114	160	200	160	120	100	157	217	123	179	100
1872	192	167	200	114	140	200	160	120	100	155	209	123	179	100
1873	175	200	217	114	120	200	160	120	120	158	188	123	179	100
1874	179	167	200	114	100	200	160	120	150	154	174	123	164	100
1875	133	167	167	114	100	200	160	120	150	146	174	123	164	100
1876	108	133	167	114	100	200	160	100	120	134	157	123	164	100
1877	158	167	150	114	120	200	160	100	200	152	141	123	164	100
1878	133	150	133	114	120	200	160	100	150	140	126	123	157	100
1879	125	133	133	143	160	200	160	100	150	145	126	123	157	80
1880	108	133	150	143	160	200	160	100	200	150	126	123	114	80

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Beef—Fresh													
	Roasting Pieces							Rump Steaks						
State	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.		Conn.	New Jersey	Pa.	Pa.	West Va.	Ohio	Ohio
Town	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Evansville	Average	New London	Camden	New Castle	Philadelphia	New Cumberland	Springfield	Zanesville
Reference	85	89	75	79	82	54		48	65	83	85	89	79	82
Unit	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	$	$	$	$	$	$		$	$	$	$	$	$	$
price	.10	.08	.08	.08½	.09	.07½		.11	.12	.10	.14	.10	.10	.11
1860	—	100	—	100	100	—	100	100	100	—	—	100	100	100
1861	100	150	100	94	89	100	106	109	102	100	100	140	100	91
1862	100	150	125	94	100	100	109	109	104	100	107	140	100	91
1863	120	150	156	94	111	167	130	127	133	125	114	140	100	109
1864	140	150	188	147	111	200	156	145	208	125	143	140	150	109
1865	180	150	156	147	111	200	169	164	250	125	179	140	150	109
1866	180	150	156	147	111	200	169	164	250	125	179	140	150	109
1867	180	150	156	147	133	200	171	182	233	125	179	140	150	118
1868	160	150	150	118	133	200	167	182	217	125	157	140	120	109
1869	160	150	150	118	111	200	162	182	208	125	171	140	120	109
1870	150	150	150	118	111	200	155	145	208	125	157	140	120	109
1871	150	125	125	118	111	167	142	109	208	100	157	120	110	109
1872	150	125	125	118	111	167	141	109	208	100	157	120	110	109
1873	150	125	156	118	111	167	142	109	208	100	157	120	110	109
1874	160	125	125	118	111	167	137	109	192	100	157	120	110	100
1875	140	125	125	118	111	167	135	109	192	100	129	120	110	91
1876	140	125	156	118	111	167	136	109	192	100	143	120	110	91
1877	130	125	156	118	111	133	130	109	192	100	129	140	110	91
1878	120	125	125	118	100	133	123	109	183	100	129	140	110	91
1879	120	125	125	118	89	133	120	109	183	100	129	140	110	91
1880	120	125	156	118	89	133	118	109	133	100	129	140	110	91

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Rump Steaks		Beef—Fresh Soup pieces									Beef—Corned		
State	Ind.		Conn.	New Jersey	Pa.	Pa.	West Va.	Ohio	Ohio	Ind.		Mass.	Conn.	N. J.
Town	Evansville	Average	New London	Camden	New Castle	Philadelphia	New Cumberland	Springfield	Zanesville	Evansville	Average	Boston	New London	Camden
Reference	54		48	65	83	85	89	79	82	54		59	48	65
Unit	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb		lb.	lb.	lb.
Base	$		$	$	$	$	$	$	$	$		$	$	$
price	.07½		.05½	.08	.06	.07	.03	.07	.06	.06		.07¾	.10	.08
1860	—	100	100	100	—	—	100	100	100	—	100	100	100	100
1861	100	105	127	100	100	100	233	86	100	100	118	97	110	100
1862	100	106	127	100	100	100	233	86	100	—	121	97	110	100
1863	167	127	164	100	117	114	233	86	100	—	131	133	140	125
1864	200	153	164	175	133	129	233	143	117	167	158	165	140	175
1865	200	165	164	200	167	171	233	143	117	167	170	200	140	225
1866	200	165	164	200	208	171	233	143	117	167	175	194	140	225
1867	200	166	164	150	167	171	233	143	133	167	166	174	130	150
1868	200	156	164	150	133	143	233	114	133	133	150	219	130	200
1869	200	157	164	150	133	143	233	114	117	133	148	204	130	188
1870	200	151	127	150	133	143	233	114	117	133	144	189	100	156
1871	167	135	100	150	117	143	200	107	117	125	132	148	80	175
1872	167	135	100	150	117	143	200	107	117	125	132	137	80	150
1873	167	135	100	150	117	143	200	107	100	125	130	119	80	150
1874	167	132	100	125	100	143	200	107	100	125	125	116	80	150
1875	167	127	100	125	100	114	200	107	100	125	121	116	80	150
1876	167	129	100	125	100	129	200	107	100	125	123	106	80	150
1877	133	126	100	125	100	114	200	107	100	117	120	110	80	150
1878	133	124	100	125	100	100	200	107	100	117	119	103	80	125
1879	133	124	100	125	100	114	200	107	100	117	120	97	80	125
1880	133	118	100	100	100	129	200	107	100	117	119	102	80	125

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity			Beef	Corned							Board—Men			
State	Pa.	Pa.	West Va.	Ohio	Ohio	Ind.		Conn.	Pa.	Pa.	West Va.	Ky.	Ohio	Ohio
Town	Newcastle	Philadelphia	New Cumberland	Springfield	Zanesville	Evansville	Average	Jewett City	Philadelphia	Sharon	New Cumberland	Louisville	Canton	Cincinnati
Reference	83	85	89	79	82	54		108	111	111	111	108	111	111
Unit	lb.	lb.	lb.	lb.	lb.	lb		week	week	week	week	week	week	week
Base	$	$	$	$	$	$		$	$	$	$	$	$	$
price	.08	.09	.08	.06½	.08	.10		2.00	3.00	2.50	1.50	4.00	2.50	1.75
1860	—	—	100	100	100	—	100	100	—	100	100	100	100	100
1861	100	100	125	92	100	100	103	100	100	100	133	100	120	114
1862	100	100	125	92	100	100	103	100	117	100	167	100	180	114
1863	100	111	125	92	125	100	117	100	117	160	167	125	180	171
1864	100	133	125	123	125	125	134	150	133	200	167	175	180	229
1865	100	156	125	123	125	125	147	150	167	200	167	175	180	229
1866	100	167	125	123	125	125	147	175	167	200	167	175	160	229
1867	125	167	125	123	125	100	135	175	167	200	150	150	160	171
1868	125	167	125	138	125	100	148	175	183	200	150	150	160	171
1869	88	156	125	138	113	100	138	175	167	200	150	150	160	171
1870	88	144	125	138	113	100	128	175	167	200	150	150	160	114
1871	88	144	100	131	125	100	121	175	200	200	200	100	160	171
1872	88	139	100	131	125	100	117	175	200	200	200	100	160	171
1873	88	139	100	131	100	100	112	175	183	200	200	100	160	171
1874	75	144	100	131	100	100	111	175	183	200	200	100	140	171
1875	75	133	100	131	100	100	109	175	167	200	233	75	160	171
1876	75	156	100	131	100	100	111	175	167	200	233	75	140	171
1877	75	133	100	131	100	100	109	175	150	200	233	75	140	171
1878	75	122	100	131	100	100	104	150	150	180	233	75	140	171
1879	75	133	100	131	88	100	103	150	133	180	233	75	140	171
1880	75	144	100	131	88	100	105	150	167	180	233	75	140	171

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Board													
	Men								Women					
State	Ohio	Ohio	Ind.	Ill.	Ill.	Iowa	Mo.		Conn.	Pa.	West Va.	Ky.	Ohio	Ohio
Town	Springfield	Zanesville	Lawrenceburg	Bloomington	Rock Island	Cedar Rapids	Pilot Knob	Average	Jewett City	Philadelphia	New Cumberland	Louisville	Canton	Cincinnati
Reference	111	111	108	108	108	108	108		108	111	111	108	110	111
Unit	week	week	week	week	week	week	week		week	week	week	week	week	week
Base	$	$	$	$	$	$	$		$	$	$	$	$	$
price	2.50	2.75	3.50	5.00	2.50	2.50	3.00		1.50	1.75	1.25	3.00	2.50	1.50
1860	100	100	100	—	—	—	100	100	100	—	100	100	100	100
1861	120	109	100	100	100	100	117	108	100	100	140	100	120	100
1862	120	109	114	100	100	100	133	118	100	114	160	100	180	100
1863	160	127	128	100	100	100	150	135	100	128	160	133	180	167
1864	200	127	143	100	100	120	150	155	133	143	160	167	180	233
1865	200	145	143	100	120	120	150	160	133	171	160	167	180	233
1866	180	145	128	100	120	120	117	156	167	171	160	167	160	233
1867	180	164	114	100	120	120	117	149	167	171	160	133	160	167
1868	180	182	114	100	120	140	117	153	167	171	160	133	160	167
1869	180	182	114	105	120	140	117	152	167	157	160	133	160	167
1870	180	182	114	110	120	140	117	148	167	157	160	133	160	100
1871	140	164	114	120	140	160	100	153	167	171	120	100	160	133
1872	140	164	114	120	140	160	100	153	167	171	120	100	160	133
1873	140	145	114	110	140	160	100	150	167	171	160	100	160	133
1874	140	145	114	110	140	160	100	148	167	157	160	100	140	133
1875	140	145	114	100	140	160	100	149	167	157	160	83	160	133
1876	140	145	114	100	140	160	100	147	167	157	160	83	140	133
1877	140	127	114	100	140	180	100	146	167	157	160	83	140	133
1878	140	127	114	100	140	180	100	143	150	143	160	83	140	133
1879	140	127	114	100	140	180	133	144	150	143	160	83	140	133
1880	140	127	114	100	140	180	133	146	150	143	160	83	140	133

TABLE 4— (CONTINUED).

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Board—Women							Boots—Men's Heavy						
State	Ohio	Ohio	Ill.	Ill.	Iowa	Mo.		Conn.	Conn.	N. Y.	N. J.	Pa.	West Va.	West Va.
Town	Springfield	Zanesville	Bloomington	Rock Island	Cedar Rapids	Pilot Knob	Average	Jewett City	Waterbury	Homer	Camden	Sharon	New Cumberland	Wheeling
Reference	111	111	108	108	108	108		92	92	92	92	92	92	92
Unit	week	week	week	week	week	week		per pair	per pair	per pair	per pair	per pair	per pair	per pair
Base price	$ 2.50	$ 2.00	$ 4.00	$ 2.00	$ 2.00	$ 3.00		$ 3.00	$ 3.25	$ 3.50	$ 2.50	$ 3.50	$ 3.50	$ 4.00
1860	100	100	—	—	—	100	100	100	—	—	100	100	100	100
1861	120	138	100	100	100	117	111	96	100	100	100	100	129	113
1862	120	138	100	100	100	133	120	92	108	100	115	100	171	125
1863	160	150	100	100	100	150	136	100	108	114	135	129	171	138
1864	200	150	100	100	150	150	156	117	123	143	150	200	171	150
1865	200	175	100	125	150	150	162	133	123	171	160	171	186	150
1866	180	175	100	125	150	117	159	142	123	157	155	143	200	150
1867	180	200	100	125	150	117	153	142	115	157	155	143	186	138
1868	180	200	100	125	175	117	155	133	115	171	155	143	171	125
1869	180	200	100	125	175	117	153	133	115	171	155	129	143	125
1870	180	200	100	125	200	117	150	125	—	157	150	114	143	125
1871	140	200	100	150	175	100	143	125	108	157	155	114	100	113
1872	140	200	100	150	175	100	143	125	108	157	155	107	100	113
1873	140	175	88	150	175	100	143	125	108	143	145	107	100	113
1874	140	150	88	150	175	100	138	117	108	143	140	107	100	113
1875	140	150	88	150	175	100	139	125	108	143	140	107	114	106
1876	140	150	88	150	175	100	137	117	108	129	140	100	114	100
1877	140	150	75	150	200	100	138	117	108	129	140	100	114	94
1878	140	150	75	150	200	100	135	100	108	129	130	86	100	88
1879	140	150	75	150	200	133	138	100	108	129	130	86	114	88
1880	140	150	75	150	200	133	138	117	108	114	130	93	100	94

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Boots—Men's Heavy													
State	Ohio	Ohio	Ohio	Ohio	Ill.	Ill.	Ill.	Ind.	Ind.	Ind.	Ind.	Ind.	Ind.	Iowa
Town	Canton	Cincinnati	Ravenna	Zanesville	Belleville	Bloomington	Springfield	Evansville	La Fayette	New Albany	New Albany	Terre Haute	Vincennes	Cedar Rapids
Reference	92	92	92	92	92	92	92	92	92	92	92	92	92	92
Unit	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair	per pair
Base price	$ 3.00	$ 6.00	$ 3.00	$ 3.50	$ 4.50	$ 2.50	$ 2.00	$ 3.00	$ 4.00	$ 3.00	$ 3.12½	$ 4.00	$ 3.00	$ 3.50
1860	100	100	100	100	100	100	100	—	—	100	100	100	—	—
1861	100	67	108	100	100	110	88	100	100	100	100	150	100	100
1862	133	83	142	114	100	120	113	100	100	117	124	150	150	157
1863	200	100	158	114	111	140	150	117	—	133	144	169	200	157
1864	267	100	183	143	111	160	175	150	125	167	160	181	267	143
1865	200	117	183	143	111	160	200	150	150	167	160	181	233	143
1866	167	117	183	171	111	160	225	133	150	133	160	181	217	143
1867	133	100	183	171	111	160	200	133	150	133	160	181	167	143
1868	133	100	183	171	111	150	200	133	150	117	152	169	158	143
1869	133	83	175	171	111	150	188	133	150	117	152	169	133	143
1870	133	83	—	157	111	150	188	133	125	117	152	169	125	143
1871	117	83	175	157	111	160	175	133	125	117	152	206	133	143
1872	100	83	158	157	111	160	175	125	125	117	152	206	133	143
1873	100	83	158	114	100	160	150	117	125	117	136	206	133	143
1874	100	83	158	114	100	150	138	108	125	100	132	206	125	129
1875	100	83	158	114	100	140	125	108	113	100	132	206	125	129
1876	83	83	142	100	89	140	125	108	113	100	132	206	125	129
1877	83	83	142	100	89	120	113	117	113	92	132	175	125	114
1878	83	83	142	100	89	120	113	117	113	83	120	175	117	114
1879	100	83	142	100	89	120	125	117	100	83	120	175	117	114
1880	100	83	142	100	89	120	138	117	100	83	120	150	108	114

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Boots—Men's Heavy			Butter										Cheese
State	Mo.	Mo.		Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa		Mass.
Town	Pilot Knob	St. Louis	Average	Boston	Jewett City	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids	Average	Boston
Reference	92	92		60	46	85	89	75	80	82	56	58		60
Unit	per pair	per pair		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.
Base	$	$		$	$	$	$	$	$	$	$	$		$
price	4.00	2.50		.232	.23	.20	.16	.12	.10	.13	.30	.06		.11625
1860	100	100	100	100	100	—	100	100	100	100	100	—	100	100
1861	100	120	104	86	96	100	125	67	80	96	83	100	93	87
1862	113	140	120	90	91	110	125	83	80	115	100	200	110	80
1863	125	160	140	106	109	120	125	150	100	115	83	250	129	117
1864	125	160	160	159	122	125	125	333	150	231	117	333	188	149
1865	125	160	160	183	143	150	125	292	250	254	150	417	218	168
1866	100	140	155	199	196	140	125	292	300	254	100	333	215	160
1867	100	140	148	154	157	140	125	250	300	246	100	417	210	143
1868	100	140	144	188	183	140	125	208	300	231	133	583	232	155
1869	100	—	140	189	196	140	125	167	300	231	150	333	203	169
1870	100	—	135	188	174	—	125	142	300	231	133	333	203	148
1871	88	140	134	157	183	150	138	208	163	231	100	417	194	127
1872	88	140	132	151	174	175	138	208	163	231	83	417	193	157
1873	88	140	127	160	174	175	138	167	163	192	100	417	187	153
1874	75	140	122	175	183	175	138	167	163	192	100	333	181	153
1875	75	140	121	154	165	160	138	167	163	154	83	333	169	148
1876	75	120	116	149	163	150	125	167	163	154	83	333	165	128
1877	75	120	113	142	139	165	125	167	163	154	83	333	163	140
1878	75	120	109	109	130	140	125	150	163	154	100	333	156	105
1879	75	120	110	119	117	150	125	133	163	154	83	417	162	91
1880	75	120	109	134	122	145	138	167	163	154	67	417	167	127

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cheese									Coal — Anthracite				
State	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa		Mass.	Mass.	Pa.	Pa.	Pa.
Town	Jewett City	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids	Average	Boston	Boston	Philadelphia	Philadelphia	Reading
Reference	46	85	89	75	80	82	56	58		94	94	96	96	96
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		ton	ton	ton	ton	ton
Base	$	$	$	$	$	$	$	$		$	$	$	$	$
price	.13	.12	.11	.10	.08	.12½	.18	.10		6.00	5.75	5.00	3.41	2.50
1860	100	—	100	100	100	100	100	—	100	100	100	—	—	—
1861	77	100	136	60	100	80	67	100	90	98	121	100	100	100
1862	69	125	136	80	100	80	83	120	97	117	117	100	123	100
1863	92	150	136	100	100	120	83	120	113	175	173	120	186	180
1864	123	167	136	250	125	168	111	150	153	217	220	130	277	220
1865	154	208	136	250	150	160	150	200	175	217	229	140	281	260
1866	177	208	145	200	163	200	83	280	180	204	192	160	218	260
1867	154	200	145	200	188	200	83	280	177	146	161	160	179	220
1868	154	200	145	180	213	200	83	180	168	150	151	160	185	220
1869	192	183	145	150	213	160	83	180	164	154	170	150	216	160
1870	177	183	145	125	188	160	83	180	154	146	141	150	200	140
1871	138	167	100	180	100	160	83	200	139	142	152	160	194	140
1872	138	158	100	200	100	160	83	200	144	142	143	140	180	140
1873	154	158	109	160	125	144	78	150	137	150	154	135	183	160
1874	154	150	109	160	156	144	78	120	136	138	143	130	183	180
1875	131	142	109	180	156	144	72	125	134	133	138	120	187	200
1876	123	133	100	160	156	120	72	125	124	115	118	100	159	170
1877	115	133	100	150	150	120	83	150	127	96	100	100	144	160
1878	123	133	109	150	125	120	83	150	122	—	112	95	143	150
1879	92	142	109	125	150	120	83	150	118	90	88	90	139	144
1880	131	150	127	150	163	120	100	150	135	100	102	115	157	170

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Coal									Codfish — Dry				
	Anthracite		Bituminous											
State	Ohio		West Va.	Ohio	Ohio	Ohio	Ind.	Ill.		Conn.	Pa.	West Va.	Ohio	Ohio
Town	Zanesville	Average	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Rock Island	Average	Jewett City	Philadelphia	New Cumberland	Canton	Zanesville
Reference	96		96	94	96	96	94	94		46	85	89	75	82
Unit	ton		ton	ton	ton	ton	ton	ton		lb.	lb.	lb.	lb.	lb.
Base	$		$	$	$	$	$	$		$	$	$	$	$
price	3.00		1.40	2.00	3.50	1.50	3.50	3.12		.05	.04	.06	.10	.05
1860	100	100	100	100	—	100	100	100	100	100	—	100	100	100
1861	100	103	171	88	100	100	93	80	105	80	100	133	100	100
1862	133	115	179	100	100	100	114	96	115	100	100	167	100	100
1863	167	167	214	175	100	200	114	104	151	130	125	167	100	140
1864	167	205	214	175	100	200	129	104	154	160	150	167	100	160
1865	167	216	196	150	100	200	114	104	144	160	175	167	100	200
1866	167	200	196	150	100	200	107	104	143	160	225	167	100	200
1867	167	172	179	150	100	200	100	104	139	160	250	167	100	200
1868	167	172	143	150	100	200	100	104	133	140	250	167	100	200
1869	167	170	143	150	100	200	100	104	133	160	225	167	100	200
1870	167	157	125	150	100	200	100	104	130	160	200	167	100	200
1871	167	159	125	175	107	200	100	104	135	150	200	167	100	180
1872	167	152	125	175	107	200	100	104	135	140	200	167	100	180
1873	167	158	143	150	100	183	100	104	130	140	200	167	100	180
1874	150	154	143	150	100	183	100	96	129	140	200	167	100	160
1875	150	155	143	150	100	167	100	96	126	140	175	167	100	160
1876	150	135	143	150	107	167	100	96	127	140	188	133	100	160
1877	133	122	125	150	93	167	100	96	122	140	150	133	100	160
1878	133	127	125	150	93	150	100	96	119	120	150	133	100	160
1879	133	114	125	138	107	150	93	96	118	120	150	117	100	160
1880	133	130	125	138	114	150	100	96	121	120	125	117	100	160

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Codfish — Dry			Coffee Rio Green										Rio Roasted
State	Ind.	Iowa		Mass.	Pa.	Md.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa		Conn.
Town	Lawrenceburg	Cedar Rapids	Average	Boston	Philadelphia	Baltimore	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids	Average	Jewett City
Reference	56	58		30	41	29	43	36	39	39	28	28		23
Unit	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.
Base	$	$			$	$	$	$	$	$	$	$		$
price	.10	.06		.13	.11	.16	.12	.16	.15	.15	.25	.08		.20
1860	100	—	100	100	—	100	100	100	100	100	100	—	100	100
1861	100	100	102	108	100	100	125	94	80	100	100	100	101	85
1862	100	117	112	172	118	150	150	125	100	100	140	125	131	100
1863	100	133	128	197	155	219	167	250	100	133	140	313	186	100
1864	120	175	147	319	291	250	208	313	167	167	160	438	257	125
1865	120	208	161	254	318	219	208	250	267	167	140	438	251	140
1866	100	208	166	205	309	188	167	250	333	200	160	375	243	140
1867	100	167	163	187	309	156	208	219	333	200	100	375	232	150
1868	100	167	161	171	273	156	167	188	267	167	100	375	207	150
1869	100	167	160	161	273	150	167	188	233	167	120	156	179	175
1870	100	167	156	149	255	150	167	200	200	167	120	156	174	175
1871	120	133	150	135	255	125	150	156	120	167	120	313	171	165
1872	120	133	149	161	236	138	150	156	120	147	120	313	171	150
1873	110	133	147	173	218	163	150	156	120	147	120	250	166	140
1874	100	133	143	181	200	144	150	156	113	133	120	250	161	150
1875	100	133	139	159	209	150	150	156	113	133	100	250	158	150
1876	100	133	136	127	182	138	150	156	113	133	100	188	143	140
1877	100	117	129	141	164	125	150	144	113	133	100	188	140	140
1878	100	117	126	183	145	113	150	138	120	133	100	188	141	125
1879	80	117	121	101	127	88	150	138	107	133	80	188	123	115
1880	80	100	115	81	118	88	150	125	100	133	80	188	118	115

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Coffee — Rio Roasted								Corn meal					
State	Pa.	Md.	West Va.	Ohio	Ohio	Ind.	Iowa		Mass.	Conn.	Pa.	West Va.	Ohio	Ohio
Town	Philadelphia	Baltimore	New Cumberland	Springfield	Zanesville	Lawrenceburg	Cedar Rapids	Average	Boston	Jewett City	Philadelphia	New Cumberland	Canton	Springfield
Reference	41	29	43	39	39	28	28		59	46	85	89	75	79
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.		bbl.	bbl.	bbl.	bbl.	bbl.	bbl.
Base price	$ .16	$ .20	$ .14	$ .18	$ .16	$ .30	$ .10		$ 4.87	$ 3.92	$ 3.00	$ 1.50	$ 3.00	$ 2.25
1860	—	100	100	100	100	100	—	100	100	100	—	100	100	100
1861	100	100	143	100	94	100	100	103	62	100	100	133	100	156
1862	113	150	179	100	94	133	120	124	70	75	100	150	117	156
1863	138	210	179	100	113	133	200	147	97	75	108	167	160	156
1864	238	250	214	167	125	150	450	215	146	150	133	167	200	222
1865	281	210	214	250	125	133	450	225	132	150	200	167	200	267
1866	281	180	179	333	156	150	350	221	101	150	200	150	117	356
1867	281	150	214	333	156	100	250	204	128	150	200	150	117	356
1868	250	150	179	278	125	100	250	185	124	150	167	133	150	267
1869	250	150	179	222	125	117	150	171	102	150	158	133	133	267
1870	238	150	179	194	125	117	150	166	103	150	133	133	133	267
1871	238	125	143	139	175	117	300	175	84	125	117	150	167	156
1872	238	140	143	139	175	117	250	169	74	100	108	150	133	156
1873	219	160	157	139	156	117	250	167	71	100	108	150	100	156
1874	188	140	164	139	156	117	250	163	66	100	117	150	167	156
1875	200	150	164	139	144	100	200	156	81	125	100	150	167	156
1876	175	140	200	139	144	100	200	155	62	125	117	167	133	156
1877	156	125	186	139	144	100	200	149	64	125	100	167	133	156
1878	138	110	157	139	144	100	200	139	41	100	92	167	133	156
1879	125	90	157	122	144	83	200	130	49	100	92	167	100	156
1880	119	90	136	117	138	83	200	125	52	100	90	167	117	156

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Corn meal				Cotton Textiles—Cotton Flannels									
State	Ohio	Ind.	Iowa		Mass.	Conn.	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.
Town	Zanesville	Lawrenceburg	Cedar Rapids	Average	Woburn	Jewett City	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Jeffersonville	Lawrenceburg
Reference	82	56	57		13	4	20	22	22	16	17	19	9	10
Unit	bbl.	bu.	bbl.		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.
Base	$	$	$		$	$	$	$	$	$	$	$	$	$
price	2.25	.70	1.50		.13	.15	.12½	.14	.12½	.12½	.12½	.10	.0833	.12½
1860	100	100	—	100	100	100	100	100	100	100	100	100	100	100
1861	133	114	100	111	131	100	120	179	120	96	100	150	300	100
1862	133	129	133	118	231	113	200	286	200	300	100	200	300	200
1863	178	143	200	143	269	250	360	357	300	400	120	220	300	360
1864	200	150	200	174	385	333	440	429	600	600	200	350	300	720
1865	200	157	233	190	385	387	400	429	480	520	300	370	300	600
1866	200	143	233	183	346	320	240	357	400	400	200	280	300	600
1867	222	157	213	188	308	253	224	179	280	320	200	250	300	480
1868	211	179	183	174	308	147	224	143	240	296	160	200	300	240
1869	211	179	183	168	269	133	200	143	200	240	160	180	300	160
1870	200	214	167	167	269	133	160	143	200	200	144	180	300	176
1871	200	179	133	146	269	113	128	100	200	144	144	140	120	176
1872	200	171	133	136	262	120	120	100	200	120	136	130	120	200
1873	178	143	200	134	246	120	128	100	200	120	128	130	120	200
1874	178	129	200	140	246	120	120	100	160	100	120	130	120	144
1875	178	107	200	140	231	107	120	100	144	100	120	130	120	120
1876	167	107	200	137	208	93	100	100	120	80	120	120	120	100
1877	156	107	213	136	192	87	100	100	120	80	120	120	120	100
1878	133	114	213	128	177	80	100	100	100	80	120	120	120	92
1879	133	114	213	125	162	80	100	100	100	100	120	120	120	92
1880	133	129	213	129	115	83	100	100	100	100	100	100	120	100

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Flannels			Cotton Textiles Prints — Merrimac										
State	Ind.	Ill.		Mass.	Conn.	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.
Town	New Albany	Bloomington	Average	Woburn	Jewett City	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Evansville	Jeffersonville	Lawrenceburg
Reference	10	6		13	4	20	22	22	16	17	19	8	9	10
Unit	yd.	yd.		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.
Base	$	$		$	$	$	$	$	$	$	$	$	$	$
price	.10	.12½		.13	.12½	12½	.09	.12½	.12½	.12½	.12½	.10	.12½	.12½
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	125	120	137	115	100	100	222	120	80	80	96	100	100	100
1862	250	200	215	154	112	144	278	200	144	100	120	150	100	160
1863	400	320	305	154	176	200	444	240	240	120	176	250	100	240
1864	500	520	448	154	240	300	556	400	400	240	320	500	100	480
1865	400	720	441	246	300	280	556	320	320	300	240	450	120	280
1866	300	520	355	192	264	200	333	240	240	360	200	300	200	200
1867	250	320	280	96	192	160	222	160	160	320	160	200	240	160
1868	200	240	225	96	136	128	167	120	144	320	120	200	—	136
1869	150	240	198	96	120	128	167	120	120	280	112	150	—	112
1870	125	200	186	92	100	120	133	120	120	240	112	150	—	100
1871	125	200	155	92	100	100	100	100	100	100	100	125	67	100
1872	125	200	153	92	96	100	100	100	100	100	100	125	67	112
1873	125	200	151	85	96	100	100	100	100	100	100	125	67	100
1874	110	160	136	77	80	88	100	80	100	100	100	125	67	88
1875	110	160	130	77	80	80	100	80	80	100	96	100	67	80
1876	100	160	118	77	64	72	100	64	80	100	96	83	67	67
1877	100	120	113	69	64	72	100	64	64	100	64	83	67	67
1878	90	100	107	69	56	64	100	64	64	100	64	70	67	67
1879	90	100	107	69	56	64	100	64	64	100	64	75	67	67
1880	90	100	101	69	72	64	100	64	64	100	64	75	67	67

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles													
	Prints—Merrimac			Sheetings—bleached										
State	Ind.	Ill.		Mass.	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ill.	
Town	New Albany	Bloomington	Average	Woburn	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Lawrenceburg	New Albany	Bloomington	Average
Reference	10	6		13	20	22	22	16	17	19	10	10	6	
Unit	yd.	yd.		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	
Base	$	$		$	$	$	$	$	$	$	$	$	$	
price	.10	.12½		.14	.17	.10	.15	.15	.25	.13	.30	.09½	.15	
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	105	100	109	114	118	200	107	100	110	138	107	111	133	124
1862	200	200	159	321	165	350	233	250	130	169	217	242	200	228
1863	300	240	222	357	294	450	333	367	150	231	317	400	300	320
1864	400	360	342	250	353	500	533	533	160	577	333	579	400	422
1865	250	440	316	286	353	600	400	467	170	346	283	474	433	381
1866	200	320	250	271	324	500	300	367	160	269	300	421	300	321
1867	150	200	186	271	294	400	267	300	160	231	267	347	200	274
1868	125	144	153	271	235	250	233	233	150	231	217	295	167	228
1869	110	120	136	214	194	180	200	187	140	169	200	242	167	189
1870	100	120	126	214	176	180	200	147	130	169	167	190	133	171
1871	100	120	100	214	147	120	147	120	64	138	167	190	133	144
1872	100	120	101	186	135	120	100	120	60	115	167	163	133	130
1873	100	120	99	171	135	120	100	100	56	115	167	158	120	124
1874	95	100	92	157	124	120	100	100	56	115	150	137	120	118
1875	90	80	85	150	118	120	100	83	56	115	150	121	100	111
1876	85	80	80	121	106	120	83	83	56	115	133	121	100	104
1877	80	64	74	114	106	120	83	83	56	92	133	116	100	100
1878	75	64	71	100	94	120	83	83	50	92	117	111	83	93
1879	75	64	71	86	88	120	83	100	50	92	100	105	83	91
1880	75	64	73	64	100	120	83	100	50	96	117	105	83	92

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles													
	Sheetings—brown												Shirtings—bleached	
State	Mass.	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.	Ill.		Mass.	Conn.
Town	Woburn	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Jeffersonville	Lawrenceburg	New Albany	Bloomington	Average	Woburn	Jewett City
Reference	13	20	22	22	16	17	19	9	10	10	6		13	4
Unit	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard		yard	yard
Base	$	$	$	$	$	$	$	$	$	$	$		$	$
price	.13	.12½	.08	.12½	.12½	.20	.13	.15	.28	.07¾	.15		.12½	.16
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	115	120	225	120	96	125	138	167	107	135	133	135	104	81
1862	308	200	375	240	280	150	169	167	214	232	233	233	320	100
1863	346	360	500	360	400	175	231	167	321	684	333	352	360	234
1864	308	440	625	600	600	190	562	167	357	877	433	469	280	375
1865	346	400	625	400	520	200	308	167	304	684	500	405	240	419
1866	308	240	500	320	400	190	269	167	321	555	333	328	240	344
1867	308	224	375	200	320	190	231	167	286	490	233	275	240	206
1868	308	200	313	200	240	175	231	167	232	361	200	239	240	138
1869	269	200	225	—	200	163	169	167	196	297	200	209	200	138
1870	269	160	225	—	160	150	169	167	161	232	133	183	200	125
1871	231	144	125	120	120	75	138	100	143	232	133	142	200	100
1872	192	144	125	112	120	70	115	100	161	200	133	134	160	106
1873	177	136	125	112	100	65	115	100	161	168	120	125	152	100
1874	162	128	125	100	100	65	115	100	143	168	100	119	136	100
1875	154	120	125	80	100	63	115	100	143	155	100	114	128	94
1876	123	100	125	80	80	63	115	100	125	148	100	105	120	75
1877	115	100	125	80	80	63	92	100	125	142	100	102	112	75
1878	108	100	125	88	96	63	92	100	107	135	67	98	96	63
1879	100	80	125	88	96	63	92	100	96	135	67	95	88	63
1880	92	100	125	88	80	63	96	100	114	135	67	96	80	69

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles													
	Shirtings—bleached												Shirtings—brown	
State	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.	Ind.	Ill.		Mass.	Conn.
Town	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Evansville	Jeffersonville	Lawrenceburg	New Albany	Bloomington	Average	Woburn	Jewett City
Reference	20	22	22	16	17	19	8	9	10	10	6		13	4
Unit	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard		yard	yard
Base	$	$	$	$	$	$	$	$	$	$	$		$	$
price	.15	.08	.10	.12½	.15	.10	.10	.12½	.12½	.08½	.12½		.11	.12½
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	120	225	150	120	83	150	100	120	120	112	120	123	100	88
1862	167	375	300	240	90	200	125	160	176	235	200	207	318	112
1863	300	500	400	400	133	300	350	280	360	412	320	335	409	280
1864	373	625	800	600	267	650	600	440	600	588	440	511	227	400
1865	367	625	500	480	267	350	650	600	360	471	480	447	227	440
1866	333	500	400	360	300	300	400	528	320	412	320	366	227	360
1867	300	225	250	280	167	250	350	400	240	353	200	266	227	264
1868	233	225	250	200	167	250	300	400	184	294	160	234	227	160
1869	200	188	200	120	133	150	250	160	160	235	160	176	182	144
1870	167	188	180	144	100	150	250	100	160	176	144	160	182	136
1871	133	150	200	128	300	150	150	100	120	176	144	158	182	128
1872	133	150	150	128	267	120	180	100	120	147	144	147	164	112
1873	133	150	150	120	167	120	167	100	128	147	128	136	155	112
1874	120	150	125	120	167	120	130	100	120	129	120	126	145	120
1875	113	150	125	100	133	120	125	100	100	118	100	116	136	104
1876	107	150	125	96	120	120	100	100	92	106	100	109	127	80
1877	107	150	125	80	107	80	100	100	100	106	100	103	118	80
1878	83	150	125	80	100	80	85	100	80	100	80	94	100	64
1879	83	150	125	96	73	80	100	100	92	100	80	95	91	64
1880	87	150	125	100	67	100	100	88	88	100	88	96	73	72

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles													
	Shirtings—brown												Tickings	
State	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.	Ind.	Ill.		Mass.	Conn.
Town	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Evansville	Jeffersonville	Lawrenceburg	New Albany	Bloomington	Average	Woburn	Jewett City
Reference	20	22	22	16	17	19	8	9	10	10	6		13	4
Unit	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard		yard	yard
Base	$	$	$	$	$	$	$	$	$	$	$		$	$
price	.10	.06	.10	.09	.10	.10	.08½	.10	.08	.06¾	.12½		.17	.22
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	120	250	125	111	150	150	100	150	113	111	120	130	118	100
1862	220	417	250	222	500	200	118	200	225	222	240	250	259	114
1863	400	500	400	556	600	350	588	300	563	741	360	465	259	150
1864	500	667	750	833	750	700	882	500	813	963	480	651	259	250
1865	450	667	500	556	750	350	824	750	500	741	560	563	265	305
1866	250	500	400	444	650	300	588	600	500	593	360	444	235	273
1867	220	250	250	389	550	250	471	500	313	519	240	342	235	191
1868	200	250	250	278	550	250	235	500	250	370	200	286	235	127
1869	200	200	200	222	500	150	212	200	225	296	200	225	176	114
1870	160	200	180	167	450	150	196	100	213	222	160	194	176	114
1871	150	167	150	139	450	150	147	100	156	222	144	176	147	105
1872	150	167	125	139	400	150	176	100	175	185	144	168	141	105
1873	150	167	125	139	250	150	165	100	188	148	128	152	141	100
1874	125	167	100	133	250	120	147	100	188	148	100	142	129	114
1875	125	167	100	122	200	120	141	100	125	133	100	129	118	109
1876	100	167	100	111	180	120	118	100	138	126	100	121	118	91
1877	100	167	100	111	160	80	100	100	138	119	100	113	112	82
1878	100	167	100	89	150	80	88	83	125	111	80	103	100	73
1879	90	167	100	89	110	80	106	83	125	111	80	100	88	68
1880	100	167	100	100	100	80	100	83	113	111	80	98	82	77

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cotton Textiles—Tickings											Eggs		
State	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.	Ill.		Mass.	Conn.	Pa.
Town	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Jeffersonville	Lawrenceburg	New Albany	Bloomington	Average	Boston	Jewett City	Philadelphia
Reference	20	22	22	16	17	19	9	10	10	6		60	46	85
Unit	yard	yard	yard	yard	yard	yard	yard	yard	yard	yard		doz.	doz.	doz.
Base	$	$	$	$	$	$	$	$	$	$		$	$	$
price	.25	.28	.25	.25	.22½	.25	.25	.25	.17	.18		.19½	.17	.18
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	—
1861	120	143	100	100	156	160	200	100	118	139	130	87	82	100
1862	180	179	160	200	167	200	200	160	206	222	187	92	88	100
1863	220	250	200	400	178	220	200	200	294	278	237	110	100	111
1864	300	250	400	500	222	340	200	360	441	500	335	144	135	117
1865	272	268	300	400	333	220	200	300	382	639	324	185	176	139
1866	260	143	240	300	333	148	200	320	294	500	271	169	159	144
1867	220	71	200	200	289	120	200	260	265	361	218	167	147	144
1868	200	54	180	160	289	112	200	200	235	333	194	179	165	139
1869	180	54	160	150	244	112	200	180	206	278	171	168	147	139
1870	160	54	160	140	222	112	200	180	176	278	164	164	159	133
1871	150	71	120	150	222	100	80	140	176	222	140	145	147	139
1872	140	71	120	150	222	100	80	140	176	222	139	159	165	144
1873	120	71	120	140	200	100	80	120	176	194	130	154	176	139
1874	112	79	100	120	200	100	80	120	147	194	125	138	147	144
1875	100	79	100	120	200	100	80	120	147	167	120	149	147	133
1876	100	79	100	100	178	100	80	100	132	167	112	123	165	128
1877	100	79	100	100	178	100	80	100	132	139	109	123	129	122
1878	100	79	100	100	156	100	80	92	118	139	103	128	118	117
1879	100	79	100	120	156	100	80	92	118	139	103	108	118	133
1880	100	79	100	112	156	100	80	100	118	139	104	103	118	139

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Eggs							Flour—Rye						
State	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa		Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Iowa
Town	New Cumberland	Canton	Spring-field	Zanes-ville	Lawrence-burg	Cedar Rapids	Average	Boston	Jewett City	Phila-delphia	New Cumberland	Spring-field	Zanes-ville	Cedar Rapids
Reference	89	75	80	82	56	58		59	46	85	89	79	82	57
Unit	doz.	doz.	doz.	doz.	doz.	doz.		bbl.	bbl.	bbl.	bbl.	bbl.	bbl.	bbl.
Base	$	$	$	$	$	$		$	$	$	$	$	$	$
price	.10	.10	.07	.15	.20	.05		4.09	3.92	5.00	3.75	3.50	4.25	2.00
1860	100	100	100	100	100	—	100	100	100	—	100	100	100	—
1861	120	60	143	40	100	100	92	92	100	100	107	129	94	100
1862	140	100	143	67	100	100	103	101	75	120	133	114	94	125
1863	140	120	171	67	75	200	122	115	75	160	147	114	141	350
1864	140	100	186	100	75	200	133	172	150	200	147	200	165	350
1865	140	100	214	100	150	300	167	179	150	220	147	257	176	375
1866	120	100	229	100	150	300	163	171	150	220	127	286	188	375
1867	120	100	214	100	75	500	174	202	150	220	127	286	188	300
1868	120	100	200	133	175	500	190	208	150	205	120	200	182	250
1869	120	100	200	133	90	300	155	161	150	190	120	200	182	250
1870	100	100	186	100	90	400	159	138	150	180	120	200	165	250
1871	140	120	143	100	100	400	159	138	125	140	107	143	212	200
1872	120	100	171	100	100	400	162	128	100	120	107	143	212	200
1873	120	150	171	100	125	300	159	136	100	120	107	143	188	225
1874	100	120	186	100	100	300	148	137	100	125	107	143	165	250
1875	100	160	171	100	90	300	150	138	125	90	107	143	165	250
1876	100	150	171	100	90	300	147	124	125	100	113	143	153	275
1877	100	140	171	100	75	300	140	125	125	100	113	143	141	300
1878	120	120	186	100	100	300	143	86	100	100	120	143	118	250
1879	140	120	171	100	100	300	143	107	100	90	120	143	94	250
1880	140	120	179	100	75	300	142	125	100	90	120	143	94	250

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Rye	Flour												
		Wheat—Extra Family								Wheat—Superfine				
State		Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Iowa		Conn.	Pa.	West Va.	Ohio	Ohio
Town	Average	Jewett City	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Cedar Rapids	Average	Jewett City	Philadelphia	New Cumberland	Springfield	Zanesville
Reference		46	85	89	75	79	82	57		46	85	89	79	82
Unit		bbl.	bbl.	bbl.	bbl.	bbl.	bbl.	bbl.		bbl.	bbl.	bbl.	bbl.	bbl.
Base price		$ 8.50	$ 8.00	$ 6.00	$ 6.00	$ 4.50	$ 4.75	$ 2.50		$ 7.50	$ 6.50	$ 4.50	$ 4.00	$ 5.25
1860	100	100	—	100	100	100	100	—	100	100	—	100	100	100
1861	103	91	100	125	100	122	105	100	106	93	100	133	125	114
1862	109	94	113	133	108	111	105	120	112	97	115	156	113	114
1863	157	100	150	142	117	111	179	300	157	107	138	167	113	181
1864	198	124	188	142	167	189	190	300	186	127	185	167	200	190
1865	215	135	200	147	167	244	200	330	203	137	192	167	250	200
1866	217	176	200	142	133	289	211	330	212	173	192	156	300	229
1867	210	194	200	142	167	289	211	260	209	200	188	156	300	229
1868	188	176	188	133	133	211	200	220	180	167	177	150	225	210
1869	179	135	175	133	150	200	200	220	173	133	169	150	213	210
1870	172	109	163	133	150	200	200	220	168	107	154	150	200	210
1871	152	118	138	100	—	144	189	220	152	107	123	122	150	190
1872	144	141	122	100	—	167	189	220	157	127	108	122	175	190
1873	146	147	125	100	140	144	168	240	152	133	108	122	150	171
1874	147	147	131	100	142	133	147	220	146	127	115	122	138	152
1875	145	118	103	100	117	144	147	220	136	113	100	122	150	152
1876	148	129	119	104	133	144	137	260	147	120	115	128	150	143
1877	150	129	113	104	133	156	126	260	146	117	108	128	163	133
1878	131	118	113	113	117	144	105	260	139	103	108	128	150	114
1879	129	109	100	113	108	144	84	220	125	93	92	133	150	95
1880	132	112	94	108	108	150	84	220	125	93	100	133	150	95

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Flour Wheat, Superfine		Lard										Mackerel—Pickled	
State	Iowa		Mass.	Conn.	Conn.	Pa.	Pa.	West Va.	Ohio	Ohio	Ind.		Conn.	Pa.
Town	Cedar Rapids	Average	Boston	Jewett City	New London	New Castle	Philadelphia	New Cumberland	Canton	Zanesville	Lawrenceburg	Average	Jewett City	Philadelphia
Reference	57		60	46	48	83	85	89	75	82	56		46	85
Unit	bbl.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.
Base	$		$	$	$	$	$	$	$	$	$		$	$
price	3.00		.128	.14	.12	.07	.10	.10	.09	.10	.15		.09	.08
1860	—	100	100	100	100	—	—	100	100	100	100	100	100	—
1861	100	111	85	93	117	100	100	120	67	100	100	98	78	100
1862	108	117	77	89	117	114	105	140	89	120	100	106	89	113
1863	267	162	88	89	117	129	105	140	133	180	100	120	89	125
1864	267	189	119	157	117	143	140	140	200	200	100	146	122	175
1865	300	208	199	200	117	186	180	140	222	220	100	174	111	200
1866	300	225	169	179	133	214	190	150	222	220	100	175	111	225
1867	233	218	116	136	150	257	220	150	167	250	107	173	133	225
1868	200	188	136	157	150	257	200	150	200	250	107	179	156	250
1869	200	179	148	179	150	257	185	140	222	250	107	182	178	250
1870	200	170	142	150	117	229	180	140	200	200	100	162	144	225
1871	200	149	96	121	100	171	150	80	139	200	80	126	133	225
1872	200	154	85	100	100	171	140	80	111	180	80	116	133	213
1873	217	150	83	93	100	143	140	100	89	180	80	112	111	213
1874	200	142	102	107	100	143	140	100	133	180	87	121	111	200
1875	200	140	127	129	100	143	160	120	156	150	87	130	100	188
1876	233	148	114	121	100	143	170	140	133	150	80	128	111	175
1877	233	147	89	100	100	143	140	140	100	120	67	111	111	150
1878	217	137	84	79	100	143	100	120	89	120	67	100	111	150
1879	200	127	64	71	100	143	100	140	78	100	80	97	89	150
1880	200	129	71	79	100	143	100	160	100	120	87	107	89	163

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Mackerel—Pickled						Milk							
State	West Va-	Ohio	Ohio	Ind.	Iowa		Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	
Town	New Cumberland	Canton	Zanes ville	Lawrence-burg	Cedar Rapids	Average	Phila-delphia	New Cumberland	Canton	Spring-field	Zanes-ville	Lawrence-burg	Cedar Rapids	Average
Reference	89	75	82	56	58		85	89	75	80	82	56	58	
Unit	lb.	lb.	lb.	lb.	lb.		qt.	qt.	qt.	qt.	qt.	qt.	qt.	
Base	$	$	$	$	$		$	$	$	$	$	$	$	
price	.04	.08	.10	.08	.07		.06	.04	.03	.05	.06	.07	.04	
1860	100	100	100	100	—	100	—	100	100	100	100	100	—	100
1861	150	75	50	100	100	93	100	200	133	120	100	100	100	122
1862	200	100	60	100	114	111	100	200	167	120	100	114	125	132
1863	200	125	70	125	143	125	117	200	200	160	133	143	125	154
1864	200	125	80	188	179	153	117	250	267	160	133	143	150	174
1865	200	125	100	125	179	149	167	250	200	160	133	143	150	172
1866	200	125	100	125	179	152	167	200	200	160	167	143	150	170
1867	175	125	90	150	143	149	167	200	200	160	167	129	175	171
1868	175	125	80	100	143	147	167	200	200	140	167	129	175	168
1869	175	125	80	100	143	150	150	200	200	140	167	114	175	164
1870	175	125	80	100	143	142	133	175	200	140	167	100	175	156
1871	200	125	80	125	179	152	133	125	200	100	133	100	125	131
1872	200	100	80	125	179	147	133	125	200	100	133	100	125	131
1873	200	100	80	125	214	149	133	125	167	100	133	100	125	126
1874	200	100	80	100	214	144	117	150	167	100	133	100	125	127
1875	225	125	80	100	214	147	117	150	167	100	133	100	125	127
1876	200	125	70	100	214	142	117	150	167	100	133	100	125	127
1877	200	125	80	75	179	131	117	150	167	100	133	100	150	131
1878	200	125	80	63	179	130	117	150	167	100	133	100	150	131
1879	200	100	80	63	143	118	117	150	167	100	133	100	150	131
1880	200	100	80	63	114	116	117	150	167	100	133	100	150	131

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Molasses													
	New Orleans								Porto Rico and Cienfuegos					
State	Pa.	Md.	West Va.	Ohio	Ohio	Ind.	Iowa		Mass.	Conn.	Pa.	Md.	West Va.	Ohio
Town	Philadelphia	Baltimore	New Cumberland	Canton	Zanesville	Lawrenceburg	Cedar Rapids	Average	Boston	Jewett City	Philadelphia	Baltimore	New Cumberland	Canton
Reference	41	29	43	36	39	28	28		30	23	41	29	43	36
Unit	gal.	gal.	gal.	gal.	gal.	gal.	gal.		gal.	gal.	gal.	gal.	gal.	gal.
Base	$	$	$	$	$	$	$		$	$	$	$	$	$
price	.40	.50	.40	.40	.50	.60	.50		.26	.48	.40	.40	.25	.35
1860	—	100	100	100	100	100	—	100	—	100	—	100	100	—
1861	100	80	125	100	100	100	100	101	100	92	100	88	200	100
1862	125	100	188	250	100	100	100	138	123	117	100	100	240	171
1863	150	120	225	375	150	133	120	182	180	125	125	125	320	357
1864	175	200	250	375	200	267	160	232	298	229	163	250	360	357
1865	200	—	225	313	200	250	220	235	245	208	200	200	320	286
1866	275	200	225	250	250	167	240	230	223	188	200	200	360	243
1867	275	200	200	250	250	167	160	215	198	188	188	200	300	243
1868	275	200	200	250	240	125	180	210	206	188	188	200	300	229
1869	250	200	200	250	240	133	160	205	239	188	188	200	300	229
1870	250	—	188	250	240	133	140	200	170	175	150	188	240	229
1871	238	160	188	250	240	133	200	201	214	167	150	150	160	257
1872	225	160	188	225	240	133	200	196	185	156	150	150	160	229
1873	213	176	188	200	200	133	200	187	182	167	138	150	200	214
1874	188	176	163	188	200	133	200	178	217	188	138	150	200	200
1875	175	176	163	188	200	125	180	172	190	156	125	150	160	200
1876	175	150	163	188	150	125	180	162	183	175	125	150	160	200
1877	175	160	200	175	150	125	160	164	193	167	120	150	240	171
1878	175	160	200	175	150	117	160	162	262	140	113	150	240	171
1879	163	160	188	175	150	117	140	156	138	121	113	150	180	171
1880	175	160	163	163	140	100	140	149	171	140	100	150	160	157

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Molasses Porto Rico and Cienfuegos					Mousselines de laine								
State	Ind.	Ohio	Ohio	Iowa		Mass,	Conn.	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.
Town	Lawrence-burg	Spring-field	Zanes-ville	Cedar Rapids	Average	Woburn	Jewett City	New Castle	New Cumberland	Wheel-ing	Canton	Cincin-nati	Zanes-ville	Jeffer-sonville
Reference	28	39	39	28		13	4	20	22	22	16	17	19	9
Unit	gal.	gal.	gal.	gal.		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.
Base	$	$	$	$		$	$	$	$	$	$	$	$	$
price	.40	.50	.55	.30		-.33	.25	.25	.15	.25	.25	.25	.15	.20
1860	100	—	100	—	100	100	100	100	100	100	100	100	100	100
1861	125	100	109	100	111	100	88	100	200	124	100	100	233	175
1862	125	120	109	100	131	91	100	120	267	150	120	100	267	175
1863	188	150	154	133	186	91	150	140	400	160	160	150	300	175
1864	250	150	218	133	241	100	250	180	467	240	200	160	467	175
1865	250	150	227	167	225	115	268	160	467	200	150	160	267	175
1866	200	160	227	167	217	106	268	140	267	150	120	160	233	175
1867	200	200	273	200	219	91	200	120	133	140	100	140	167	175
1868	150	200	227	233	212	91	136	100	133	120	100	120	167	175
1869	150	—	227	200	213	76	112	100	100	100	100	120	167	175
1870	150	—	227	167	188	76	100	100	100	100	100	100	167	175
1871	150	—	227	200	186	76	100	88	100	100	100	100	167	75
1872	150	—	227	200	179	76	88	80	100	100	100	100	167	75
1873	150	—	209	200	179	76	88	80	100	100	100	100	167	75
1874	138	—	209	200	182	73	100	80	100	100	100	80	167	75
1875	138	—	182	167	163	67	92	80	100	100	100	80	167	75
1876	125	—	182	167	163	64	80	80	100	100	80	80	167	75
1877	125	—	182	167	168	61	80	64	100	100	80	80	167	75
1878	125	—	145	167	168	61	68	64	100	80	60	80	167	75
1879	100	—	145	133	139	58	68	64	100	80	60	80	167	75
1880	100	—	136	133	139	55	80	60	100	80	60	80	167	75

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Mousselines de laine				Mutton									
							Chops					Fore-quarters		
State	Ind.	Ind.	Ill.		Conn.	N. J.	Pa.	Pa.	West Va.	Ohio		Mass.	Conn.	N. J.
Town	Lawrenceburg	New Albany	Bloomington	Average	New London	Camden	New Castle	Philadelphia	New Cumberland	Zanesville	Average	Boston	New London	Camden
Reference	10	10	6		48	65	83	85	89	82		59	48	65
Unit	yd.	yd.	yd.		lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.
Base	$	$	$		$	$	$	$	$	$		$	$	$
price	.25	.18	.25		.16	.12	.10	.10	.08	.10		.103	.10	.07
1860	100	100	100	100	100	100	—	—	100	100	100	100	100	100
1861	100	111	100	128	100	117	100	100	150	70	106	95	130	114
1862	140	167	100	150	100	117	100	110	150	70	108	61	130	114
1863	160	194	140	185	100	125	125	120	150	80	117	88	130	143
1864	260	222	140	238	100	150	125	140	150	80	124	117	130	157
1865	180	167	160	206	113	208	125	180	150	90	144	124	140	171
1866	160	139	120	170	113	208	125	180	150	100	146	112	140	171
1867	120	125	100	134	125	183	125	180	150	120	147	104	140	157
1868	100	111	100	121	125	208	125	180	150	130	153	107	140	171
1869	100	100	100	113	125	167	125	160	150	120	141	124	140	143
1870	100	100	100	110	113	150	125	160	150	120	136	109	120	143
1871	100	100	80	99	100	183	125	150	125	120	134	88	120	171
1872	100	100	80	97	100	167	125	150	125	120	131	97	120	143
1873	100	100	72	97	100	150	120	150	125	120	128	89	120	143
1874	—	83	72	94	100	150	120	150	125	120	128	87	120	143
1875	—	83	72	92	100	150	120	140	125	110	124	87	120	143
1876	80	69	72	87	100	150	120	150	150	110	130	86	120	129
1877	80	69	60	85	100	150	120	140	150	100	127	78	120	129
1878	80	69	60	80	100	133	100	140	150	100	121	99	120	129
1879	80	69	60	80	100	133	100	130	125	100	115	86	120	129
1880	80	69	60	81	100	133	100	140	150	100	121	80	120	114

TABLE 4—(Continued.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Mutton													Oil—coal
	Fore-quarters						Leg							
State	Pa.	Pa.	West Va.	Ohio	Ind.		Conn.	N. J.	Pa.	Pa.	West Va.	Ohio		Conn.
Town	New Castle	Philadelphia	New Cumberland	Zanesville	Evansville	Average	New London	Camden	New Castle	Philadelphia	New Cumberland	Zanesville	Average	Jewett City
Reference	83	85	89	82	54		48	65	83	85	89	82		102
Unit	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.		gal.
Base	$	$	$	$	$		$	$	$	$	$	$		$
price	.05	.05	.05	.05	.07½		.16	.09	.10	.10	.06	.07		1.00
1860	—	—	100	100	—	100	100	100	—	—	100	100	100	100
1861	100	100	140	100	100	110	100	111	100	100	150	86	108	75
1862	120	120	140	100	100	111	100	133	100	110	150	86	113	75
1863	140	120	140	120	167	131	100	133	120	120	150	100	121	75
1864	140	160	140	120	200	146	100	178	125	140	150	100	132	92
1865	140	240	140	140	200	162	113	244	125	180	150	114	154	100
1866	140	240	140	140	200	160	113	244	125	180	150	129	157	90
1867	160	240	140	160	200	163	125	222	125	180	150	129	155	70
1868	160	240	140	160	167	161	125	278	125	170	150	271	187	60
1869	160	220	140	160	167	157	125	222	125	160	150	143	154	50
1870	160	200	140	140	167	147	113	200	125	150	150	129	145	45
1871	140	160	120	140	167	138	100	222	125	140	133	114	139	40
1872	140	160	120	140	167	136	100	200	125	140	133	114	135	40
1873	140	160	120	140	167	135	100	178	120	140	133	114	131	30
1874	140	160	120	120	167	132	100	178	110	140	133	114	129	25
1875	120	140	120	120	167	127	100	178	110	130	133	100	125	20
1876	120	160	120	120	167	128	100	167	110	140	133	100	125	25
1877	120	140	120	120	133	120	100	167	125	130	133	100	126	25
1878	120	140	120	120	133	123	100	156	125	130	133	100	124	20
1879	120	140	120	120	133	121	100	156	125	120	133	86	120	15
1880	120	140	120	120	133	118	100	133	125	120	133	86	116	20

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Oil — Coal								Pork — Fresh					
State	Conn.	New York	Pa.	Pa.	West Va.	Ohio	Ill.		Mass.	Conn.	Pa.	Pa.	West Va.	Ohio
Town	New Haven	Water-town	Norris-town	Phila-delphia	New Cumberland	Zanes-ville	Rock Island	Average	Boston	New London	New Castle	Phila-delphia	New Cumberland	Canton
Reference	102	102	102	102	102	102	102		60	48	83	85	89	75
Unit	gal.	gal.	gal.	gal.	gal.	gal.	gal.		lb.	lb.	lb.	lb.	lb.	lb.
Base	$	$	$	$	$	$	$		$	$	$	$	$	$
price	1.00	1.12	.70	.25	.30	.60	.35		.09¾	.11	.05	.10	.04	.04½
1860	100	—	100	—	100	100	—	100	100	100	—	—	100	100
1861	75	100	100	100	100	100	100	94	87	109	100	100	125	133
1862	75	45	100	100	133	100	171	100	85	109	110	100	150	133
1863	85	54	100	400	133	100	286	154	92	109	120	120	150	178
1864	75	73	171	400	167	100	286	171	128	109	200	140	150	278
1865	120	107	171	400	167	100	229	174	185	109	240	200	200	278
1866	90	67	143	320	133	117	171	141	155	127	260	220	200	333
1867	75	58	114	320	133	133	114	127	145	145	300	220	175	278
1868	75	54	107	280	133	133	86	116	149	145	220	200	175	333
1869	60	41	107	240	100	100	86	98	165	145	180	180	175	333
1870	60	36	93	240	83	83	86	91	159	127	160	160	150	278
1871	60	36	93	120	67	67	71	69	121	100	200	140	125	178
1872	50	36	93	100	67	67	71	66	104	100	200	140	125	178
1873	50	45	71	72	83	67	71	61	111	100	240	140	125	178
1874	45	18	71	56	83	67	71	55	118	100	240	150	125	222
1875	40	18	57	48	83	67	71	51	140	100	200	160	150	222
1876	40	18	50	52	67	67	71	49	117	100	200	160	150	222
1877	45	22	50	56	67	67	71	50	110	100	200	160	125	200
1878	30	13	43	48	50	67	57	41	103	100	200	100	150	178
1879	28	13	43	48	50	33	57	36	82	100	200	100	200	178
1880	28	11	36	48	50	33	57	35	89	100	200	100	200	178

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity			Pork, Fresh — Shoulders								Pork, Preserved — Bacon			
State	Ohio		Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.		Conn.	Pa.	West Va.	Ohio
Town	Zanesville	Average	New London	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Average	New London	Philadelphia	New Cumberland	Springfield
Reference	82		48	85	89	75	79	82	56		48	85	89	79
Unit	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.
Base	$		$	$	$	$	$	$	$		$	$	$	$
price	.06		.08	.07	.07	.06	.05	.06	.13		.12	.09	.08	.05½
1860	100	100	100	—	100	100	100	100	100	100	100	—	100	100
1861	150	115	150	100	143	133	100	167	100	128	117	100	125	109
1862	150	120	150	100	171	133	100	200	115	138	117	100	150	109
1863	167	134	150	114	171	167	100	250	115	152	117	111	150	109
1864	300	186	150	143	171	250	160	300	123	185	117	133	175	218
1865	300	216	150	214	200	250	160	333	123	204	117	200	175	218
1866	300	228	175	229	200	208	160	333	92	200	133	200	150	218
1867	300	223	200	257	214	167	160	333	85	202	150	211	150	218
1868	300	217	200	229	214	208	160	333	88	205	150	200	150	182
1869	250	204	200	200	214	250	160	300	100	203	150	178	150	182
1870	200	176	175	171	200	208	160	300	115	190	133	156	150	182
1871	200	152	125	157	114	133	140	300	115	155	133	133	125	182
1872	200	150	125	143	114	133	140	300	108	152	133	133	125	182
1873	200	156	125	143	129	100	150	283	108	148	133	133	125	145
1874	167	160	125	157	114	133	150	283	108	153	133	139	125	145
1875	167	163	125	157	114	167	150	267	100	154	133	144	125	145
1876	167	159	125	157	129	133	150	267	100	152	133	144	125	145
1877	167	152	125	143	129	117	150	250	92	144	133	144	125	182
1878	150	140	125	129	114	100	150	250	92	137	133	111	125	182
1879	133	142	125	129	114	100	150	200	92	130	133	111	125	182
1880	133	143	125	114	129	100	150	167	85	124	133	111	150	182

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Bacon			Pork — Preserved Corned or Salted								Hams, smoked		
State	Ohio	Ind.	Average	Mass.	Conn.	Conn.	Pa.	Pa.	West Va.	Ohio	Average	Mass.	Conn.	Conn.
Town	Zanesville	Lawrenceburg		Boston	Jewett City	New London	New Castle	Philadelphia	New Cumberland	Zanesville		Boston	Jewett City	New London
Reference	82	56		60	46	48	83	85	89	82		60	46	48
Unit	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.
Base	$	$		$	$	$	$	$	$	$		$	$	$
price	.10	.18		.101	.12½	.11	.04	.09	.06	.05½		.1127	.13	.14
1860	100	100	100	100	100	100	—	—	100	100	100	100	100	100
1861	100	78	105	95	100	109	100	100	117	164	112	93	96	100
1862	120	83	113	89	80	109	125	100	133	182	117	84	77	100
1863	140	94	120	93	96	109	225	111	133	218	141	97	96	100
1864	180	97	153	139	176	109	250	133	133	291	176	154	150	100
1865	200	83	166	212	200	109	275	200	150	327	210	197	192	100
1866	200	67	161	183	192	127	275	200	150	327	208	182	192	114
1867	250	72	175	149	144	145	300	211	133	327	201	140	138	129
1868	250	78	168	145	160	145	325	200	133	364	210	156	169	129
1869	200	83	157	187	176	145	288	178	133	327	205	173	177	129
1870	180	100	150	180	160	127	225	156	117	327	185	161	154	114
1871	180	89	140	120	120	100	225	133	150	273	160	130	154	100
1872	180	83	139	100	100	100	200	133	150	273	151	121	127	100
1873	160	83	130	100	96	100	200	133	150	236	145	118	115	100
1874	160	78	130	121	100	100	250	139	150	236	157	116	108	100
1875	160	78	131	139	128	100	250	156	150	218	163	130	131	100
1876	150	83	130	130	120	100	200	156	150	218	153	131	131	100
1877	150	72	134	111	104	100	200	156	150	218	148	106	115	100
1878	150	67	128	97	80	100	175	111	150	182	128	111	96	100
1879	120	67	123	76	72	100	175	111	150	182	124	85	92	100
1880	120	69	128	91	72	100	175	111	167	182	128	99	96	100

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Pork — Preserved													
	Hams, smoked								Sausages					
State	Pa.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Average	Mass.	Conn.	Pa.	Pa.	West Va.	Ohio
Town	New Castle	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg		Boston	New London	New Castle	Philadelphia	New Cumberland	Springfield
Reference	83	85	89	75	79	82	56		60	48	83	85	89	80
Unit	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.
Base price	$ .10	$ .10	$ .12	$ .09	$ .07½	$ .11	$ .20		$ .1125	$ .12	$ .10	$ .10	$ .10	$ .07
1860	—	—	100	100	100	100	100	100	100	100	—	—	100	100
1861	100	100	117	139	107	109	75	104	97	117	100	100	120	100
1862	110	100	133	139	107	136	85	107	100	117	100	100	140	100
1863	150	120	133	167	107	164	90	122	93	117	125	120	140	100
1864	180	150	133	222	200	182	95	157	113	117	125	150	140	114
1865	200	240	150	278	200	227	80	186	192	117	150	200	150	114
1866	200	250	150	244	200	227	75	183	176	133	150	220	150	114
1867	180	250	167	200	200	227	78	171	142	150	125	220	160	114
1868	180	240	167	222	173	227	80	174	133	150	125	200	160	114
1869	170	200	167	222	173	182	90	168	148	150	125	180	160	114
1870	140	180	150	222	173	182	100	158	149	117	125	170	150	114
1871	150	170	100	200	167	182	95	145	110	100	125	160	100	129
1872	150	160	100	167	167	182	95	137	98	100	125	160	100	129
1873	150	160	100	139	167	164	90	130	98	100	125	160	120	129
1874	150	160	117	167	167	164	90	134	98	100	100	170	120	129
1875	120	160	133	178	167	145	90	135	103	100	100	160	120	129
1876	120	160	150	178	167	145	85	137	114	100	100	160	100	129
1877	100	150	133	156	167	145	80	125	98	100	100	140	120	129
1878	100	130	125	139	167	136	70	117	100	100	100	120	120	129
1879	100	130	133	122	167	136	70	114	80	100	100	120	120	129
1880	120	120	125	139	167	109	75	115	80	100	100	120	120	129

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Pork—Preserved Sausages		Potatoes									Rent Houses of 4 Rooms		
State	Ohio	Average	Mass.	Conn.	Pa.	West Va.	Ohio	Ohio	Ind.	Iowa	Average	Mass.	Conn.	N. J.
Town	Zanesville		Boston	Jewett City	Philadelphia	New Cumberland	Springfield	Zanesville	Lawrenceburg	Cedar Rapids		Boston	Jewett City	Camden
Reference	82		60	46	85	89	80	82	56	58		104	104	106
Unit	lb.		bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.		mo.	mo.	mo.
Base price	$ .08½		$ 1.027	$ .50	$ .60	$ .35	$ .30	$ .60	$ .80	$ .20		$ 5.00	$ 2.00	$ 6.50
1860	100	100	100	100	—	100	100	100	100	—	100	100	100	100
1861	118	107	81	90	100	143	133	83	94	100	103	100	100	100
1862	141	114	94	110	100	214	133	83	125	175	129	100	100	100
1863	176	124	93	100	125	214	167	100	150	200	144	100	100	92
1864	212	139	153	180	133	214	250	133	94	200	170	140	100	92
1865	235	165	117	160	150	214	283	167	94	200	173	140	100	115
1866	235	168	117	120	167	214	333	167	188	350	207	140	100	115
1867	235	164	111	140	167	171	333	133	100	175	166	140	100	115
1868	235	160	151	200	167	171	267	167	100	250	184	200	100	123
1869	235	159	117	124	150	171	250	167	106	200	161	200	100	154
1870	212	148	109	120	150	143	200	167	113	200	150	200	100	185
1871	188	130	125	168	183	171	200	167	100	200	164	200	100	185
1872	188	129	95	130	208	171	233	167	100	200	163	200	100	185
1873	176	130	129	180	192	171	217	133	94	200	165	200	100	185
1874	176	128	115	160	175	171	200	133	94	250	162	200	100	185
1875	141	122	110	134	167	143	167	125	100	250	150	200	100	185
1876	141	121	101	150	150	143	200	125	88	175	142	160	100	154
1877	141	118	137	180	125	143	233	100	100	350	171	160	100	154
1878	118	112	97	150	108	171	200	100	75	250	144	160	100	131
1879	118	110	131	130	125	214	167	100	94	200	145	120	100	123
1880	118	110	103	134	125	214	233	100	100	250	157	120	100	123

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Rent—Houses of 4 Rooms													
State	Pa.	West Va.	Ky.	Ohio	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.	Ill.	Ill.	Iowa	Mo.
Town	Philadelphia	New Cumberland	Louisville	Canton	Cincinnati	Springfield	Zanesville	La Fayette	Lawrenceburg	Terre Haute	Bloomington	Rock Island	Cedar Rapids	Pilot Knob
Reference	106	106	104	106	106	106	106	104	104	104	104	104	104	104
Unit	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.
Base	$	$	$	$	$	$	$	$	$	$	$	$	$	$
price	6.00	4.00	12.00	6.25	6.00	5.00	7.00	6.00	7.00	8.00	8.00	10.00	5.00	5.00
1860	—	100	100	100	100	100	100	100	100	—	—	—	—	100
1861	100	100	125	64	67	100	100	100	114	100	100	100	100	100
1862	100	125	125	80	67	100	114	100	143	125	100	100	100	120
1863	100	125	167	96	83	100	114	100	143	163	113	100	100	120
1864	133	138	208	96	100	100	114	100	143	175	125	100	120	120
1865	167	138	208	96	100	100	129	108	143	175	125	125	120	120
1866	200	138	208	96	100	100	129	117	143	175	125	125	120	80
1867	200	125	167	96	83	120	143	133	143	175	138	50	130	80
1868	200	100	167	96	83	120	143	142	129	175	138	50	130	80
1869	233	100	167	96	67	120	143	150	129	175	144	50	130	80
1870	233	100	167	96	67	120	143	167	129	175	144	50	140	80
1871	233	100	100	128	167	200	143	183	129	125	125	100	130	70
1872	233	125	100	112	167	200	143	200	129	138	125	100	130	70
1873	233	125	100	96	167	200	129	200	121	163	100	80	130	70
1874	200	100	100	96	167	200	129	192	—	163	100	80	130	70
1875	200	100	83	96	167	240	114	183	114	163	100	80	140	70
1876	183	125	83	112	167	240	114	183	100	150	100	70	140	70
1877	200	100	83	112	167	240	114	175	100	150	88	70	140	70
1878	200	125	83	112	167	240	114	167	100	125	88	70	140	70
1879	200	125	83	120	167	240	114	158	100	125	88	70	140	60
1880	217	150	83	128	167	240	114	150	100	150	100	60	140	60

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Rent													
	Houses of 4 Rooms		Houses of 6 or 7 Rooms											
State	Mo.	Average	Mass.	Mass.	Conn.	N. J.	Pa.	Pa.	West Va.	Ky.	Ohio	Ohio	Ohio	Ohio
Town	St. Louis		Boston	Boston	Jewett City	Camden	Hokendauqua	Philadelphia	New Cumberland	Louisville	Canton	Canton	Cincinnati	Zanesville
Reference	107		104	104	104	106	106	106	106	104	106	106	106	106
Unit	mo.		mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.	mo.
Base price	$ 10.00		$ 9.00	$ 10.00	$ 3.00	$ 8.00	$ 3.42	$ 9.00	$ 6.00	$ 15.00	$ 7.00	$ 7.00	$ 8.00	$ 9.00
1860	100	100	100	100	100	100	100	—	100	100	—	100	100	100
1861	100	98	100	100	100	100	100	100	100	133	100	71	100	100
1862	100	106	100	100	100	100	111	100	133	133	114	86	100	100
1863	150	115	100	100	100	100	117	100	133	167	129	100	150	111
1864	150	125	133	140	100	100	129	133	133	233	143	114	313	111
1865	150	131	133	140	100	125	129	167	133	233	143	114	313	111
1866	180	133	133	140	100	125	129	200	133	233	143	114	313	111
1867	180	129	133	140	100	150	129	200	133	167	143	114	250	122
1868	180	131	189	200	100	188	129	200	117	167	143	114	250	122
1869	180	134	189	200	100	188	129	222	100	167	143	114	250	133
1870	180	138	189	200	100	208	129	222	100	167	143	114	188	133
1871	160	143	189	200	108	208	129	222	83	100	143	143	188	133
1872	160	145	189	200	108	208	129	222	83	100	129	129	188	133
1873	160	142	189	200	108	208	129	222	100	100	114	107	188	122
1874	160	140	189	200	108	213	129	200	100	—	114	107	188	122
1875	150	138	189	200	108	213	129	189	100	80	114	107	188	111
1876	150	133	133	140	108	188	129	178	100	80	100	129	188	111
1877	150	132	133	140	108	150	129	178	100	80	100	129	188	111
1878	180	132	133	140	108	150	129	178	100	80	86	129	188	111
1879	180	129	111	120	108	125	129	189	100	80	86	129	188	111
1880	180	132	111	120	108	125	129	200	133	80	100	143	188	111

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Rent—Houses of 6 or 7 Rooms							Rice						
State	Ind.	Ind.	Ill.	Ill.	Iowa	Mo.	Average	Conn.	Pa.	Md.	West Va.	Ohio	Ohio	Ohio
Town	La Fayette	Lawrence-burg	Bloom-ington	Rock Island	Cedar Rapids	St. Louis		Jewett City	Phila-delphia	Balti-more	New Cumberland	Canton	Spring-field	Zanes-ville
Reference	104	104	104	104	104	107		46	85	59	89	75	80	82
Unit	mo.	mo.	mo.	mo.	mo.	mo.		lb.	lb.	lb.	lb.	lb.	lb.	lb.
Base	$	$	$	$	$	$		$	$	$	$	$	$	$
price	8.00	10.00	10.00	12.00	6.00	15.00		.06	.08	.06	.07	.06	.08	.06¼
1860	100	100	—	100	—	100	100	100	—	100	100	100	100	100
1861	100	110	100	50	100	80	97	117	100	100	143	100	100	160
1862	100	125	100	50	100	80	102	150	113	150	214	133	125	192
1863	100	125	120	50	100	111	112	167	125	167	214	208	125	240
1864	100	125	120	50	117	111	134	167	162	250	214	333	125	288
1865	113	125	120	58	117	111	138	250	175	250	214	250	125	320
1866	125	125	120	58	117	133	142	250	175	233	214	208	125	320
1867	138	125	130	58	125	133	138	250	163	200	171	167	125	240
1868	144	125	130	58	125	133	146	250	163	200	171	167	125	240
1869	150	125	140	58	125	167	150	233	150	183	143	167	125	240
1870	163	125	150	58	133	167	149	200	150	167	143	167	125	240
1871	175	120	155	125	133	167	151	183	150	183	100	200	113	192
1872	188	120	155	125	133	167	150	200	150	167	100	167	113	192
1873	188	115	150	100	133	167	147	200	138	167	100	167	113	160
1874	181	—	150	100	133	167	150	200	138	167	100	167	113	160
1875	175	110	140	100	167	167	144	167	125	150	100	133	113	160
1876	175	100	130	83	167	153	133	167	125	133	100	150	113	160
1877	169	100	120	83	200	153	132	167	100	133	114	167	113	160
1878	175	100	120	83	200	167	132	167	100	133	100	167	113	160
1879	156	100	110	83	250	167	130	167	88	133	114	133	113	160
1880	150	100	120	75	250	167	134	167	100	133	114	150	113	160

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Rice			Satinets—Medium Quality										
State	Ind.	Iowa	Average	Conn.	Pa.	West Va.	West Va.	Ohio	Ohio	Ohio	Ind.	Ind.	Ind.	Ill.
Town	Lawrenceburg	Cedar Rapids		Jewett City	New Castle	New Cumberland	Wheeling	Canton	Cincinnati	Zanesville	Jeffersonville	Lawrenceburg	New Albany	Bloomington
Reference	56	58		4	20	22	22	16	17	19	9	10	10	6
Unit	lb.	lb.		yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.	yd.
Base	$	$		$	$	$	$	$	$	$	$	$	$	$
price	.10	.05		.75	1.00	.11	.75	.75	.75	.40	.75	.70	.62½	.75
1860	100	—	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	113	100	100	227	133	100	100	100	133	107	100	87
1862	150	200	159	133	125	364	167	133	107	150	133	179	120	100
1863	200	240	187	166	138	455	167	167	113	250	133	179	172	133
1864	200	240	220	177	150	545	200	200	120	213	133	214	172	133
1865	120	250	217	177	140	545	200	167	133	163	133	143	144	167
1866	120	250	211	173	150	273	167	133	133	150	133	143	144	133
1867	150	250	191	133	140	164	167	133	113	150	133	129	144	113
1868	150	300	196	120	125	164	133	133	107	150	133	114	112	100
1869	150	300	188	120	125	136	133	120	100	150	133	107	112	100
1870	150	250	177	100	125	136	133	120	93	150	133	107	100	100
1871	150	250	169	100	110	136	133	100	100	163	100	107	80	100
1872	150	250	165	80	100	136	133	100	100	150	100	107	80	100
1873	150	250	161	83	100	136	133	93	87	150	100	107	80	100
1874	120	250	157	89	100	136	133	93	87	150	100	100	80	100
1875	120	200	141	80	90	145	133	100	80	150	100	93	68	100
1876	120	200	141	80	90	145	107	100	80	150	100	86	68	100
1877	100	200	139	80	85	145	100	100	80	125	100	86	68	100
1878	100	200	138	67	85	145	100	100	73	125	100	86	68	100
1879	100	160	130	77	80	136	100	100	73	125	100	86	68	100
1880	100	160	133	80	75	136	100	107	73	125	100	86	68	100

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Satinets	Syrup								Soap—common				
State	Average	Pa.	Md.	West Va.	Ohio	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio	Ohio
Town		Phila-delphia	Balti-more	New Cumberland	Spring-field	Zanes-ville	Lawrence-burg	Cedar Rapids		Jewett City	Phila-delphia	New Cumberland	Canton	Spring-field
Reference		41	29	43	39	39	28	28		23	41	43	36	39
Unit		gal.	gal.	gal.	gal.	gal.	gal.	gal.		lb.	lb.	lb.	lb.	lb.
Base		$	$	$	$	$	$	$		$	$	$	$	$
price		.50	.60	.40	.60	.75	.80	.50		.10	.06	.06	.08	.05
1860	100	—	100	100	100	100	100	—	100	100	—	100	100	100
1861	117	100	100	125	125	80	94	100	103	90	100	117	75	120
1862	156	110	100	188	133	80	100	120	119	100	117	133	75	160
1863	188	110	117	250	167	120	125	120	144	135	133	133	125	160
1864	205	120	233	313	208	167	125	140	187	165	150	133	150	160
1865	192	160	233	250	250	167	125	140	189	170	167	117	125	160
1866	157	180	167	250	250	200	150	200	200	180	167	117	113	160
1867	138	200	167	250	250	267	150	200	212	140	158	117	125	140
1868	126	200	183	250	208	233	94	180	193	120	158	117	100	140
1869	121	200	183	250	208	233	94	160	190	120	133	117	100	140
1870	118	160	167	225	208	233	100	140	176	120	133	117	100	120
1871	112	170	133	113	133	233	125	200	158	125	133	83	125	120
1872	108	170	133	113	133	200	125	200	153	125	133	83	125	120
1873	106	160	125	125	133	167	125	200	148	100	117	83	100	120
1874	106	160	125	125	133	167	113	200	146	100	117	83	100	120
1875	104	150	125	113	133	147	113	180	137	100	100	83	100	120
1876	101	128	125	113	133	133	113	160	129	90	83	83	100	120
1877	97	120	125	125	142	133	100	160	129	90	83	83	100	120
1878	95	120	100	125	150	133	100	120	121	80	83	83	100	120
1879	95	116	100	113	167	133	94	120	120	70	83	83	100	120
1880	95	120	100	113	133	133	94	120	116	70	83	83	100	120

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Soap—common				Starch									Sugar
State	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	Average	Mass.
Town	Zanesville	Lawrenceburg	Cedar Rapids		Jewett City	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids		Boston
Reference	39	28	28		23	41	43	36	39	39	28	28		30
Unit	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.
Base	$	$	$		$	$	$	$	$	$	$	$		$
price	.05	.12	.04		.12	.07	.07	.10	.05	.08	.10	.05		.069⅜
1860	100	100	—	100	100	—	100	100	100	100	100	—	100	100
1861	100	67	100	96	100	100	114	100	100	125	80	100	102	99
1862	120	83	100	111	100	114	143	125	100	125	100	100	113	133
1863	200	125	100	139	100	143	143	150	160	125	120	140	135	175
1864	200	125	150	154	133	171	143	150	200	188	100	200	161	266
1865	200	125	250	164	133	200	114	125	200	188	100	360	178	225
1866	200	125	375	180	133	200	114	100	200	188	100	360	174	183
1867	200	125	313	165	133	200	114	100	200	188	80	400	177	164
1868	200	125	375	167	133	186	114	100	200	188	100	400	178	168
1869	200	125	375	164	133	171	114	100	160	188	100	400	171	175
1870	200	125	250	146	133	171	114	100	160	188	100	300	158	150
1871	200	125	250	145	133	171	86	125	100	150	100	250	139	137
1872	200	125	250	145	133	171	86	125	100	150	100	250	139	131
1873	160	125	250	132	133	143	86	125	100	125	100	250	133	117
1874	160	125	200	126	133	143	86	125	100	125	100	200	127	114
1875	160	125	200	124	133	129	86	125	100	125	100	200	125	118
1876	140	100	200	115	100	114	86	125	100	125	100	200	119	121
1877	140	100	200	115	100	114	86	120	100	100	80	200	113	129
1878	140	83	175	108	100	107	86	100	100	100	80	160	104	126
1879	120	83	175	104	100	100	86	100	100	100	80	160	103	99
1880	100	83	175	102	83	86	86	100	100	100	80	160	99	124

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Sugar													
	Good Brown										Yellow B.			
State	Conn.	Pa.	Md.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio
Town	Jewett City	Philadelphia	Baltimore	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids		Jewett City	Philadelphia	New Cumberland	Canton
Reference	23	41	29	43	36	39	39	28	28		23	41	43	36
Unit.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.
Base	$	$	$	$	$	$	$	$	$		$	$	$	$
price	.08½	.06	.08	.06	.08	.09	.08	.10	.06		.11	.08	.06	.11
1860	100	—	100	100	100	100	100	100	—	100	100	—	100	100
1861	94	100	88	167	75	89	100	100	100	101	91	100	167	73
1862	112	117	125	200	100	89	125	100	133	123	114	113	200	114
1863	124	150	156	200	150	111	150	100	133	145	136	138	200	145
1864	212	183	250	200	250	122	225	120	167	200	227	163	200	227
1865	212	233	188	200	250	167	225	110	167	198	218	200	200	182
1866	176	250	175	200	225	200	225	110	278	202	182	213	200	136
1867	153	233	175	200	188	200	188	110	208	182	155	200	167	114
1868	165	217	163	200	156	167	188	110	167	170	155	188	167	114
1869	153	217	188	200	156	167	188	110	167	172	155	188	167	114
1870	129	208	150	167	125	167	188	110	167	156	136	188	167	114
1871	118	200	138	150	—	89	188	110	250	153	118	188	167	—
1872	118	183	138	150	—	100	188	110	250	152	114	169	167	—
1873	112	192	138	150	125	89	150	110	250	143	114	163	167	109
1874	100	167	125	150	125	89	150	110	250	138	100	150	167	109
1875	94	150	113	150	113	100	125	110	167	124	100	138	167	100
1876	106	150	125	150	100	100	125	110	150	124	109	138	167	91
1877	112	142	138	150	100	100	125	110	150	126	114	125	167	91
1878	94	133	113	150	100	89	125	100	150	118	91	119	167	91
1879	82	133	100	150	100	89	125	100	150	113	86	119	167	91
1880	88	125	113	150	100	89	125	100	150	116	91	113	167	91

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Sugar													Tea
		Yellow B.						Yellow C.						
State	Ohio	Ind.	Iowa	Average	Conn.	Pa.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	Average	
Town	Zanesville	Lawrenceburg	Cedar Rapids		Jewett City	Philadelphia	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids		Conn. Jewett City
Reference	39	28	28		23	41	43	36	39	39	28	28		23
Unit	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.
Base	$	$	$		$	$	$	$	$	$	$	$		$
price	.11	.11	.08		.10	.07	.07	.10	.10	.10	.12	.07		.67
1860	100	—	—	100	100	—	100	100	100	100	100	—	100	100
1861	109	100	100	106	90	100	171	80	100	100	100	100	105	100
1862	164	100	125	133	110	114	200	125	100	150	100	129	129	149
1863	200	100	125	149	130	143	200	150	150	200	100	129	150	149
1864	200	109	150	182	210	171	200	250	150	200	117	157	182	199
1865	227	109	150	184	210	214	200	200	200	250	117	157	194	224
1866	227	109	156	175	170	229	171	160	250	200	117	200	187	224
1867	164	109	175	155	155	214	171	125	250	170	108	186	172	224
1868	164	109	150	150	150	200	143	125	250	170	117	157	164	187
1869	164	109	150	150	150	200	143	125	250	170	117	157	164	199
1870	164	118	150	148	125	200	143	125	250	170	117	157	161	199
1871	164	109	150	149	115	200	143	—	100	170	117	157	143	187
1872	155	109	150	144	115	186	143	—	100	170	117	157	141	149
1873	155	109	150	138	110	186	143	110	100	160	108	157	134	149
1874	145	100	150	132	95	157	143	110	100	160	108	157	129	149
1875	145	100	138	127	95	143	143	100	100	150	108	143	123	112
1876	136	100	138	126	100	143	143	90	100	150	100	143	121	112
1877	109	100	138	121	110	129	143	90	100	120	100	143	117	112
1878	109	91	138	115	90	129	143	90	100	120	100	143	114	112
1879	109	91	138	114	80	129	143	90	100	120	100	143	113	100
1880	109	82	138	113	90	114	143	90	100	120	92	143	112	100

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Tea—Oolong or other good black									Veal Cutlets				
State	Pa.	Md.	West Va.	Ohio	Ohio	Ohio	Ind.	Iowa	Average	Conn.	N. J.	Pa.	Pa.	West Va.
Town	Philadelphia	Baltimore	New Cumberland	Canton	Springfield	Zanesville	Lawrenceburg	Cedar Rapids		New London	Camden	New Castle	Philadelphia	New Cumberland
Reference	41	29	43	36	39	39	28	28		48	65	83	85	89
Unit.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.	lb.	lb.
Base	$	$	$	$	$	$	$	$		$	$	$	$	$
price	.50	.60	.50	1.00	.60	.925	1.00	.30		.16	.14	.15	.15	.10
1860	—	100	100	100	—	100	100	—	100	100	100	—	—	100
1861	100	125	120	100	100	97	90	100	104	113	100	100	100	120
1862	100	167	160	125	100	97	100	233	137	113	100	100	100	120
1863	110	167	160	150	125	122	125	467	175	113	100	100	107	120
1864	130	200	160	200	250	135	160	533	219	113	179	120	120	120
1865	250	250	180	200	333	149	160	667	268	125	179	133	167	120
1866	250	208	160	180	293	176	125	667	254	125	179	120	160	120
1867	250	200	160	180	333	176	180	500	245	156	179	120	160	120
1868	240	200	120	175	292	189	175	417	222	156	200	120	160	120
1869	220	200	120	175	250	189	175	333	207	156	179	100	167	120
1870	200	183	120	175	233	189	175	333	201	113	179	100	167	120
1871	180	167	100	175	108	154	175	333	175	113	179	100	147	100
1872	180	125	100	175	108	141	160	333	163	113	179	100	147	100
1873	160	100	100	150	108	135	150	267	147	113	179	100	147	100
1874	150	100	100	150	108	97	140	200	133	113	164	100	153	100
1875	150	100	100	125	108	97	125	200	124	113	164	100	120	100
1876	130	83	100	125	108	97	120	200	119	113	164	100	133	100
1877	110	83	100	100	108	97	100	133	105	113	164	100	120	100
1878	100	83	100	100	108	97	100	167	107	113	143	100	120	100
1879	100	67	100	100	108	97	80	167	102	113	143	100	120	100
1880	100	67	100	100	108	97	80	167	102	113	143	100	120	100

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Cutlets			Veal Fore-quarters								Hind-quarters		
State	Ohio	Ind.	Average	Mass.	Conn.	Pa.	Pa.	West Va.	Ohio	Ind.	Average	Conn.	N. J.	Pa.
Town	Zanesville	Evansville		Boston	New London	New Castle	Philadelphia	New Cumberland	Zanesville	Evansville		New London	Camden	New Castle
Reference	82	54		59	48	83	85	89	82	54		48	65	83
Unit.	lb.	lb.		lb.	lb.	lb.	lb.	lb.	lb.	lb.		lb.	lb.	lb.
Base	$	$		$	$	$	$	$	$	$		$	$	$
price	.10	.20		.092	.10	.07	.06	.04	.05	.07½		.14	.10	.09
1860	100	—	100	100	100	—	—	100	100	—	100	100	100	—
1861	80	100	102	98	130	100	100	150	100	100	111	107	100	100
1862	80	100	102	63	130	100	100	150	100	100	106	107	100	100
1863	90	100	104	77	140	100	117	150	120	167	124	114	100	111
1864	100	125	125	126	140	114	150	150	140	200	146	114	140	111
1865	100	125	136	153	150	143	200	150	140	200	162	129	140	111
1866	120	125	136	151	150	143	200	150	140	200	162	129	140	111
1867	130	125	141	146	160	143	200	150	140	200	163	143	140	111
1868	130	125	144	147	160	100	167	150	140	200	152	143	140	111
1869	130	125	140	144	160	100	150	150	160	200	152	143	130	111
1870	120	125	132	128	140	100	150	150	160	200	147	114	125	111
1871	120	100	123	130	120	86	133	100	160	167	128	114	140	100
1872	120	100	123	130	120	86	133	100	160	167	128	114	120	100
1873	120	100	123	130	120	86	133	100	140	167	125	114	120	100
1874	120	100	121	131	120	86	150	100	140	167	128	114	130	100
1875	110	100	115	129	120	71	133	100	140	167	123	114	120	100
1876	110	100	117	128	120	71	150	100	140	167	125	114	120	100
1877	100	100	114	124	120	71	133	100	120	133	114	114	120	89
1878	100	100	111	111	120	71	133	100	120	133	113	114	120	89
1879	100	100	111	109	120	71	133	100	120	133	112	114	120	89
1880	100	100	111	109	120	71	133	100	120	133	112	114	120	89

TABLE 4—(CONTINUED.)

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Veal — Hind-quarters					Wood — Hard							
State	Pa.	West Va.	Ohio	Ind.	Average	Mass.	Mass.	Conn.	Conn.	Pa.	West Va.	Ohio	Ohio
Town	Philadelphia	New Cumberland	Zanesville	Evansville		Boston	Boston	Danielsonville	Jewett City	Reading	New Cumberland	Canton	Springfield
Reference	85	89	82	54		98	98	98	98	100	100	98	100
Unit	lb.	lb.	lb.	lb.		cord	cord	cord	cord	cord	cord	cord	cord
Base price	$ .10	$ .05	$ .06	$ .08		$ 6.50	$ 6.50	$ 4.00	$ 3.50	$ 4.00	$ 1.75	$ 2.50	$ 3.00
1860	—	100	100	—	100	100	100	100	100	—	100	100	100
1861	100	160	100	100	110	—	123	100	100	100	100	80	92
1862	100	160	100	100	110	150	183	100	100	100	114	100	92
1863	100	160	117	156	123	169	164	100	114	125	143	120	100
1864	120	160	133	188	138	200	192	119	114	125	143	120	133
1865	150	160	133	188	144	200	195	138	157	150	143	180	167
1866	150	160	133	188	144	231	228	125	143	150	143	180	167
1867	150	160	133	188	146	200	205	125	143	125	143	160	167
1868	150	160	133	188	146	208	210	125	143	125	143	160	133
1869	150	160	150	188	147	208	208	125	157	138	129	160	133
1870	150	160	133	188	140	200	200	—	157	113	129	160	133
1871	140	120	167	188	138	215	215	113	143	113	143	200	167
1872	140	120	167	188	136	200	205	150	150	113	129	200	167
1873	140	120	133	188	131	208	215	150	157	113	129	200	167
1874	150	120	133	188	133	200	215	150	157	113	129	180	150
1875	130	120	133	188	129	200	215	113	164	125	129	160	142
1876	140	120	117	188	128	185	215	113	164	125	129	160	133
1877	130	120	117	156	121	162	162	113	136	113	129	160	125
1878	130	120	117	156	121	—	138	113	129	113	129	160	125
1879	130	120	100	156	118	154	154	113	129	100	129	160	117
1880	130	120	100	156	118	154	154	113	129	100	129	160	117

TABLE 4—(CONCLUDED).

Relative prices of 60 commodities at retail in various towns: by years, 1860-1880.

Commodity	Wood												
			Hard							Pine			
State	Ohio	Ind.	Ill.	Iowa	Mo.	Average	Mass.	Mass.	Conn.	West Va.	Ohio	Ill.	Average
Town	Zanesville	Lawrenceburg	Rock Island	Cedar Rapids	Pilot Knob		Boston	Boston	Danielsonville	New Cumberland	Zanesville	Rock Island	
Refer.	100	98	98	98	98		98	98	98	100	100	98	
Unit	cord	cord	cord	cord	cord		cord	cord	cord	cord	cord	cord	
Base	$	$	$	$	$		$	$	$	$	$	$	
price	1.50	4.00	4.50	2.50	2.50		4.50	4.50	3.50	1.50	1.00	1.00	
1860	100	100	100	—	100	100	100	100	100	100	100	—	100
1861	133	100	89	100	120	103	—	133	100	117	175	100	125
1862	133	138	133	100	120	120	153	154	100	133	175	150	144
1863	150	150	144	120	160	135	178	185	100	150	200	200	169
1864	183	150	144	120	160	146	233	230	121	150	225	200	193
1865	200	138	133	200	160	166	211	207	143	150	250	150	185
1866	200	125	133	200	160	168	267	267	129	150	275	150	206
1867	233	125	133	200	140	161	244	244	129	150	300	150	203
1868	233	125	133	240	140	163	211	211	129	150	300	150	192
1869	267	125	133	240	140	166	244	244	129	133	350	150	208
1870	267	125	133	240	140	165	244	237	—	133	350	150	223
1871	267	125	111	240	120	167	244	244	114	133	300	100	189
1872	233	113	111	240	120	164	244	222	143	133	250	100	182
1873	233	113	111	240	120	166	233	267	143	133	250	100	188
1874	233	100	111	220	120	160	244	244	143	133	250	100	186
1875	217	100	111	220	120	155	244	244	100	133	225	100	174
1876	217	100	111	240	120	155	244	237	100	133	225	100	173
1877	200	100	111	200	100	139	189	181	100	133	200	100	151
1878	200	100	111	200	100	135	—	156	100	133	200	100	138
1879	183	100	111	200	110	135	—	178	100	133	175	100	137
1880	167	100	111	240	120	138	178	178	100	133	175	100	137

TABLE 5.

Relative rates of wages from Table XII of the ''Aldrich Report.''

NOTE.—The following table gives in detail the 527 series of relative wages used in compiling the tables presented in Chapter IV, Section i. The arrangement is based upon that of the original series of actual wages in the ''Exhibits'' of the *Aldrich Report,* Parts ii-iv. The several industries are in alphabetical order; the establishments in each industry are in numerical order; and the several occupations in each establishment are in alphabetical order. To facilitate access to the source, I have retained the numbers assigned to each establishment in the *Aldrich Report,* and also given a page reference for each series. The ''base wages'' shown are the actual wages upon which the ''relative wages'' for each date have been computed. Except when otherwise stated in a foot-note, they are actual wages per day in January, 1860. The columns headed ''No.'' show the number of persons reported for each date as following the specified occupation in the specified establishment and receiving the corresponding relative wages.

TABLE 5.

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Agricultural Implements										Ale, Beer and Porter			
No. of estab.		1										2			
State		Massachusetts										New York			
Reference		295		296		299		305		309		313		316	
Occupation		Foremen Woodworkers		Laborers		Machinists		Painters		Woodworkers		Brewers		Coopers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.64		$1.00		$1.665		$1.25		$1.335		$6.39		$1.505	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	2	100	2	100	1	100	3	100	1	100	8	100
	July	1	100	2	100	2	100	1	100	2	103	1	100	8	101
1861	Jan.	1	100	2	100	2	108	1	100	2	103	1	100	8	101
	July	1	99	2	100	2	108	1	100	1	94	1	100	10	100
1862	Jan.	1	99	2	88	2	100	1	100	1	113	1	150	7	101
	July	1	98	1	100	1	84	—	—	1	113	1	150	6	101
1863	Jan.	1	108	3	90	1	113	—	—	2	113	1	150	7	101
	July	1	112	5	112	2	101	—	—	2	119	1	150	8	103
1864	Jan.	1	122	2	117	2	108	3	89	4	124	1	150	6	125
	July	1	152	3	142	3	123	2	106	3	161	2	150	7	131
1865	Jan.	1	152	3	150	3	125	2	113	4	169	1	150	5	127
	July	1	175	7	161	3	138	2	127	4	189	1	150	4	148
1866	Jan.	1	175	6	163	6	131	3	124	5	191	1	250	5	146
	July	1	183	5	169	5	134	1	120	5	179	1	250	5	143
1867	Jan.	1	170	5	169	4	129	3	132	7	178	1	250	6	152
	July	1	183	3	170	4	129	1	130	4	181	1	250	5	156
1868	Jan.	1	183	6	152	5	137	1	120	6	170	1	250	6	163
	July	1	183	8	148	5	122	1	120	6	170	1	250	6	163
1869	Jan.	1	183	5	155	5	129	1	120	6	170	1	250	6	169
	July	1	183	6	160	7	135	2	120	7	176	1	250	8	168
1870	Jan.	1	183	6	156	7	136	3	120	10	168	1	250	6	177
	July	1	183	6	154	7	134	2	120	9	172	1	250	4	166
1871	Jan.	1	183	10	142	6	134	2	130	9	172	1	250	4	166
	July	1	183	11	147	7	132	3	133	10	167	1	250	6	183
1872	Jan.	1	183	13	147	7	134	2	137	10	169	1	250	4	174
	July	1	183	19	147	6	137	2	137	9	170	1	250	7	185
1873	Jan.	1	183	12	145	8	133	3	133	10	168	1	250	10	194
	July	1	183	12	152	8	133	4	151	9	175	1	250	9	189
1874	Jan.	1	183	9	150	7	129	4	151	10	172	1	250	8	199
	July	1	183	7	140	7	131	4	156	8	173	1	250	6	199
1875	Jan.	1	183	7	143	8	131	4	156	7	179	1	250	8	181
	July	1	183	7	147	10	123	4	156	6	178	1	250	8	199
1876	Jan.	1	165	6	135	9	114	5	142	6	151	1	150	5	199
	July	1	165	6	132	7	111	3	140	7	146	1	125	5	199
1877	Jan.	1	165	6	121	6	109	2	122	7	131	1	150	5	199
	July	1	165	8	121	6	109	1	116	8	134	1	150	5	199
1878	Jan.	1	165	7	127	6	109	1	116	8	137	1	250	5	199
	July	1	165	7	124	7	104	2	118	8	137	1	250	14	183
1879	Jan.	1	165	7	120	7	104	1	120	6	132	1	250	15	183
	July	1	165	7	111	7	100	2	90	7	126	1	250	12	183
1880	Jan.	1	165	13	123	9	114	3	97	7	126	1	250	9	183
	July	1	165	10	118	8	115	4	105	9	126	1	250	9	183

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Ale, Beer and Porter—(Con.)						Books and Newspapers							
No of estab.	2						4		5					
State	New York						Md.		New York					
Reference	319		323		326		353		354		355		357	
Occupation	Foremen Laborers		Laborers		Teamsters		Printers, Book & Job		Carpenters		Compositors		(Learners) Compositors	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.34		$0.85		$1.44		$1.665[1]		$1.315		$1.665		$.695	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	26	100	4	100	—	—	2	100	17	100	10	100
July	1	100	28	99	3	107	—	—	2	100	11	100	7	81
1861 Jan.	1	120	32	99	3	107	8	100	1	95	20	99	8	76
July	1	120	30	100	3	107	8	100	—	—	17	99	6	72
1862 Jan.	1	120	26	99	3	107	6	100	2	95	16	99	5	81
July	1	120	33	101	3	107	6	100	2	95	18	99	7	88
1863 Jan.	1	120	26	102	2	107	6	100	1	102	21	99	5	94
July	2	115	27	114	2	107	8	100	1	102	—	—	—	—
1864 Jan.	3	124	29	134	2	107	6	120	1	102	—	—	—	—
July	3	129	28	147	2	107	9	150	1	127	23	150	4	99
1865 Jan.	3	136	23	151	2	107	12	180	1	127	27	150	4	108
July	4	130	18	149	2	107	12	180	1	127	25	150	4	105
1866 Jan.	4	132	30	154	2	107	12	180	1	140	23	150	5	120
July	4	132	21	152	2	107	12	180	—	—	26	150	3	132
1867 Jan.	4	132	24	154	2	107	15	180	2	140	44	150	5	137
July	4	132	17	154	1	120	15	180	1	190	35	178	6	114
1868 Jan.	4	132	22	155	1	120	15	180	1	190	36	180	5	139
July	4	132	17	156	1	120	15	180	1	190	49	180	8	135
1869 Jan.	4	148	21	155	1	120	15	180	1	190	34	180	6	116
July	5	145	15	164	1	120	15	180	2	181	24	180	6	124
1870 Jan.	5	145	26	160	2	110	15	180	2	181	31	180	6	121
July	5	145	17	165	4	115	15	180	2	181	11	180	4	135
1871 Jan.	5	144	20	164	3	115	12	180	2	181	24	180	4	138
July	5	148	22	165	3	120	12	180	2	181	38	180	6	146
1872 Jan.	4	141	26	164	4	116	12	180	2	181	22	180	7	140
July	4	141	29	164	4	116	12	180	2	181	31	180	6	170
1873 Jan.	4	141	32	163	6	113	14	180	2	181	13	180	4	141
July	4	141	25	169	7	116	15	180	2	181	11	180	3	147
1874 Jan.	4	158	31	168	7	116	14	180	2	181	17	180	4	123
July	4	158	29	170	8	116	14	180	2	181	17	180	4	108
1875 Jan.	4	158	36	168	8	116	12	180	1	209	11	180	4	117
July	4	158	31	169	8	116	12	180	1	209	14	180	5	120
1876 Jan.	3	165	36	166	8	116	14	180	2	167	11	180	5	122
July	3	165	29	169	9	114	14	180	1	171	20	180	6	78
1877 Jan.	3	165	34	169	11	113	12	180	1	171	12	180	5	81
July	3	165	29	171	11	113	15	162	1	171	10	169	5	78
1878 Jan.	3	165	30	169	11	113	12	162	1	171	20	154	5	88
July	1	143	25	171	11	113	12	162	1	171	28	154	8	99
1879 Jan.	1	143	36	169	10	114	12	162	1	171	38	152	9	101
July	1	143	30	169	10	112	12	162	1	171	31	152	10	99
1880 Jan.	2	165	36	168	11	115	12	162	1	152	27	152	11	104
July	2	172	35	170	9	114	12	162	2	152	25	153	9	101

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[1] Jan. 1861.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Books and Newspapers—(Con.)													
No. of estab.		5													
State		New York													
Reference		360		364		365		366		368		369		371	
Occupation		Folders		Foremen (Compositors)		Foremen Pressmen		Machinists		Porters		Pressmen		Press Room Hands	
Sex		Female		Male		Male		Male		Male		Male		Female	
Base wages		$.47		$2.00		$2.00		$1.705		$0.915		$1.665		$0.465	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	16	100	2	100	1	100	2	100	2	100	1	100	6	100
	July	7	99	2	100	1	100	3	95	3	109	—	—	5	104
1861	Jan.	16	91	2	100	1	100	3	95	3	115	2	100	8	97
	July	15	94	2	100	1	100	4	95	3	103	2	100	10	98
1862	Jan.	11	100	2	100	1	100	3	94	3	103	2	100	7	84
	July	12	105	2	100	1	100	1	88	3	109	2	100	9	95
1863	Jan.	11	104	2	100	1	100	2	92	3	119	2	100	9	103
	July	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1864	Jan.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	July	26	119	2	138	1	133	3	137	5	138	2	150	14	137
1865	Jan.	41	110	2	150	1	133	2	161	5	144	1	150	14	133
	July	30	117	2	150	1	142	3	156	4	146	3	133	13	140
1866	Jan.	30	119	2	150	1	150	2	153	5	144	3	130	12	140
	July	22	134	2	150	1	150	—	—	3	140	3	130	13	145
1867	Jan.	32	126	2	150	1	150	—	—	3	143	3	130	13	147
	July	45	127	2	163	1	150	—	—	2	142	3	153	13	148
1868	Jan.	41	128	2	171	1	150	—	—	3	149	3	153	11	173
	July	44	135	2	171	1	150	—	—	3	146	3	153	10	172
1869	Jan.	39	138	2	171	1	150	2	165	3	146	3	153	9	180
	July	45	136	2	171	1	150	3	157	3	146	4	153	11	170
1870	Jan.	33	139	2	171	1	150	4	151	5	150	3	180	12	157
	July	33	135	2	171	1	150	3	157	4	150	3	180	8	170
1871	Jan.	9	149	2	171	1	150	3	159	3	152	2	180	8	186
	July	15	152	2	171	1	150	3	159	3	176	5	174	9	184
1872	Jan.	15	148	2	171	1	150	3	159	3	164	4	173	11	185
	July	19	143	2	171	1	150	3	169	3	182	4	180	11	183
1873	Jan.	11	149	2	171	1	150	3	169	3	188	2	180	12	183
	July	11	149	2	171	1	150	3	169	3	188	3	180	11	168
1874	Jan.	16	146	2	171	1	150	2	161	—	—	4	180	7	185
	July	17	153	2	171	1	150	1	176	3	188	3	180	11	167
1875	Jan.	14	155	2	171	1	150	1	161	1	201	3	180	6	179
	July	14	153	2	171	1	150	1	161	1	182	3	180	10	171
1876	Jan.	13	155	2	171	1	150	—	—	1	182	3	180	8	168
	July	11	154	2	171	1	150	1	117	2	159	4	180	12	158
1877	Jan.	9	155	2	171	1	150	2	117	2	144	3	180	10	163
	July	17	146	2	163	1	150	1	106	3	137	3	180	9	158
1878	Jan.	20	139	1	158	1	150	1	106	3	137	3	180	13	148
	July	19	140	1	158	1	150	1	106	3	137	3	180	16	144
1879	Jan.	24	128	1	158	1	150	1	98	3	135	2	180	12	147
	July	31	132	1	158	1	150	1	98	3	129	2	180	12	152
1880	Jan.	28	139	1	158	1	150	2	108	3	125	3	170	15	136
	July	24	147	1	158	1	150	2	108	3	125	2	180	18	137

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Books and Newspapers—(Con.)												Bldg. Trades	
No. of estab.		5		6										7	
State		New York		New York										Conn.	
Reference		371		377		379		384		387		389		394	
Occupation		Press Room Hands		Compositors		Compositors Apprentcs.		Foremen Compositors		Press Feeders		Pressmen		Carpenters	
Sex		Male		Male		Male		Male		Female		Male		Male	
Base wages		$0.61		$1.835		$0.755		$2.50		$.33[1]		$2.335		$1.50	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	3	100	2	100	9	100	2	100	—	—	1	100	4	100
	July	1	41	2	104	9	101	2	100	—	—	1	93	6	117
1861	Jan.	3	105	3	108	8	88	2	100	—	—	1	93	3	89
	July	4	104	4	104	7	83	2	100	1	100	1	93	4	100
1862	Jan.	5	113	6	106	7	93	2	100	1	152	1	93	3	89
	July	3	95	6	104	8	91	2	100	1	152	1	93	3	100
1863	Jan.	2	126	6	107	6	89	2	100	1	152	1	93	2	100
	July	—	—	6	111	6	89	2	100	1	152	1	93	3	117
1864	Jan.	—	—	9	114	2	121	2	110	2	152	1	93	3	117
	July	4	119	8	117	3	99	2	117	2	164	1	93	—	—
1865	Jan.	5	139	11	138	4	98	3	129	2	174	—	—	3	150
	July	4	133	8	136	3	121	3	129	3	189	—	—	4	183
1866	Jan.	5	134	10	134	4	97	3	129	4	202	—	—	4	171
	July	5	115	10	134	3	103	3	129	4	202	—	—	4	188
1867	Jan.	5	127	8	136	6	102	3	129	5	194	—	—	5	187
	July	5	149	4	150	6	101	3	131	6	191	—	—	5	217
1868	Jan.	4	177	4	163	6	92	3	131	7	197	—	—	4	217
	July	6	118	6	163	5	106	3	131	6	211	1	128	5	203
1869	Jan.	3	173	16	163	4	113	3	133	8	215	1	128	4	217
	July	2	164	25	163	7	115	3	133	3	252	1	143	6	203
1870	Jan.	5	183	23	163	12	105	3	133	4	258	2	100	4	208
	July	5	207	23	163	10	97	3	133	4	258	2	100	4	217
1871	Jan.	4	208	35	163	5	95	3	138	5	248	4	93	4	200
	July	6	157	40	163	6	102	3	138	5	251	4	107	—	—
1872	Jan.	6	175	45	163	8	107	3	138	4	289	5	106	—	—
	July	7	152	44	163	10	111	3	138	4	289	3	119	—	—
1873	Jan.	8	153	44	163	11	93	4	142	4	296	3	119	—	—
	July	7	166	23	163	10	101	4	142	3	268	3	119	5	217
1874	Jan.	6	171	26	133	8	102	4	142	3	227	3	102	3	183
	July	5	164	20	163	6	101	4	142	2	252	2	114	7	183
1875	Jan.	6	123	25	163	7	107	4	142	3	252	3	119	3	183
	July	6	125	14	163	5	97	4	140	3	252	3	119	4	183
1876	Jan.	5	112	21	163	5	106	5	137	3	252	3	121	2	183
	July	6	107	21	163	5	117	5	137	3	252	3	121	3	183
1877	Jan.	5	139	50	146	7	117	5	136	3	252	4	125	3	117
	July	3	182	43	146	9	109	5	137	3	252	4	128	3	128
1878	Jan.	8	139	39	137	8	108	5	127	3	252	4	123	3	150
	July	7	117	22	137	8	108	5	125	3	252	3	121	2	150
1879	Jan.	7	134	20	136	8	119	5	124	3	261	2	100	2	117
	July	8	131	7	136	10	121	4	128	3	261	2	100	3	117
1880	Jan.	6	102	19	136	11	113	4	130	3	252	2	100	6	136
	July	10	123	17	129	10	113	3	124	3	252	2	100	3	150

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[1] July 1861.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Building Trades—(Con.)													
No. of estab.		8				9				10		12			
State		Conn.				Conn.				Md.		Mass.			
Reference		395		397		399		401		404		408		410	
Occupation		Carpenters		Carpenters (Helpers)		Hod Carriers		Masons		Painters		Bricklayers		Bricklayers (Helpers)	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.715		$1.00		$.80		$1.765		$1.75		$1.765		$1.12	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	9	100	1	100	8	100	6	100	2	100	9	100	5	100
	July	10	99	—	—	17	137	11	116	4	100	12	86	6	91
1861	Jan.	9	91	1	138	12	125	12	105	2	86	12	107	12	100
	July	6	87	2	132	40	125	1	113	1	86	28	101	35	100
1862	Jan.	1	87	—	—	15	125	9	113	1	86	10	106	13	101
	July	7	89	1	134	9	125	9	113	6	86	11	105	14	110
1863	Jan.	—	—	—	—	10	188	7	158	1	86	4	110	9	109
	July	20	112	2	125	7	202	4	131	8	100	17	105	14	108
1864	Jan.	19	111	6	125	—	—	—	—	2	114	15	120	11	122
	July	23	131	9	157	17	199	21	140	9	143	19	131	13	134
1865	Jan.	10	127	6	146	—	—	—	—	5	143	9	139	9	134
	July	—	—	—	—	5	208	7	160	9	143	20	146	18	134
1866	Jan.	—	—	—	—	—	—	—	—	5	143	15	147	11	156
	July	—	—	—	—	13	208	10	170	11	143	13	167	11	156
1867	Jan.	—	—	—	—	16	206	9	175	5	143	14	156	10	156
	July	—	—	—	—	19	216	13	194	12	171	25	180	23	134
1868	Jan.	—	—	—	—	12	173	12	184	6	171	13	201	13	179
	July	—	—	—	—	45	238	26	226	12	171	29	213	31	179
1869	Jan.	—	—	—	—	23	225	17	187	4	171	12	185	15	158
	July	26	173	16	147	37	247	23	227	8	171	20	197	10	179
1870	Jan.	30	173	12	136	12	200	6	212	3	171	8	209	14	175
	July	48	159	9	100	53	245	34	225	7	171	15	218	20	190
1871	Jan.	11	170	4	100	15	221	12	196	3	171	14	185	11	179
	July	26	161	3	100	36	250	31	218	6	171	21	204	23	180
1872	Jan.	10	165	—	—	23	204	14	188	3	143	15	212	16	179
	July	11	159	—	—	36	248	27	223	4	143	33	177	22	167
1873	Jan.	—	—	—	—	10	210	6	196	4	143	22	218	19	156
	July	21	174	2	113	39	248	36	225	6	143	17	182	23	173
1874	Jan.	28	168	2	125	40	203	23	187	6	143	16	200	23	168
	July	18	169	3	100	17	250	16	223	6	143	18	193	26	173
1875	Jan.	20	150	1	125	30	175	18	156	6	143	14	200	17	173
	July	25	155	3	107	27	223	16	193	5	143	15	187	25	176
1876	Jan.	26	149	1	125	17	171	12	144	2	143	20	203	23	175
	July	7	137	1	125	30	197	19	163	9	114	16	194	24	172
1877	Jan.	2	131	1	125	6	229	2	181	3	114	13	163	16	165
	July	3	131	1	167	21	161	14	146	5	114	34	153	18	161
1878	Jan.	1	131	—	—	16	203	7	136	4	114	16	156	10	161
	July	1	131	—	—	12	167	16	142	3	114	27	158	18	161
1879	Jan.	1	131	—	—	3	187	10	143	4	114	10	156	8	159
	July	—	—	1	133	29	159	34	128	5	114	23	152	14	159
1880	Jan.	—	—	1	133	6	159	7	161	5	100	13	161	10	156
	July	—	—	2	184	18	197	15	153	6	114	21	159	16	156

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Building Trades—(Con.)													
No of estab.	12										13			
State	Mass.										Mass.			
Reference	411		412		413		416		418		421		422	
Occupation	Foremen Bricklayers		Foremen Masons		Masons		Mason's Helpers		Carpenters		Carpenters Helpers		Foremen Carpenters	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$2.50		$2.50		$1.875		$1.055		$1.425		$.83		$1.67	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	1	100	5	100	9	100	7	100	1	100	1	100
July	1	100	1	100	11	85	15	100	17	93	4	100	1	100
1861 Jan.	1	100	1	100	11	101	9	85	14	93	3	100	1	100
July	1	100	1	120	13	96	15	92	21	83	3	100	1	100
1862 Jan.	1	100	1	100	10	84	20	97	18	90	—	—	1	120
July	1	100	1	100	13	105	17	110	18	95	3	90	1	105
1863 Jan.	1	100	1	100	4	93	6	118	20	99	3	120	1	120
July	2	110	1	100	9	102	16	114	23	106	5	120	1	120
1864 Jan.	1	120	1	100	7	114	11	130	15	110	4	120	1	135
July	—	—	2	120	19	102	8	142	20	119	6	120	1	135
1865 Jan.	—	—	1	120	7	116	9	142	17	126	3	151	1	135
July	—	—	1	160	8	137	8	142	19	147	3	151	1	150
1866 Jan.	1	160	1	160	13	143	13	166	30	152	5	181	1	165
July	1	160	1	160	15	167	21	166	24	167	6	211	1	195
1867 Jan.	1	170	1	160	10	173	10	166	26	171	4	211	1	195
July	1	180	1	160	11	165	18	154	26	176	5	181	1	195
1868 Jan.	1	160	1	160	12	147	7	154	19	161	6	170	1	195
July	1	180	1	170	10	196	9	190	14	191	4	166	2	195
1869 Jan.	1	180	1	180	7	160	11	142	12	165	5	172	1	195
July	1	180	1	200	27	182	41	185	15	175	5	181	1	195
1870 Jan.	1	200	1	200	14	196	16	185	11	175	5	163	1	195
July	1	200	1	200	12	190	13	206	22	170	5	181	1	210
1871 Jan.	1	200	1	200	9	181	8	166	24	173	4	181	1	210
July	1	200	1	200	10	193	14	195	26	166	3	181	1	210
1872 Jan.	1	200	1	200	22	183	24	171	17	175	—	—	1	210
July	1	200	1	200	11	209	16	190	21	183	4	181	1	210
1873 Jan.	1	200	1	200	12	167	14	171	19	173	4	181	1	210
July	1	200	1	200	5	176	8	178	29	174	4	181	2	210
1874 Jan.	1	200	1	200	8	173	5	171	20	172	4	181	2	210
July	1	200	1	200	16	175	13	166	25	178	4	160	2	210
1875 Jan.	1	200	1	200	15	157	10	158	20	160	3	181	1	210
July	1	200	1	200	37	160	22	160	23	159	—	—	1	210
1876 Jan.	1	200	1	180	10	140	10	161	11	137	2	181	1	195
July	1	200	1	180	27	139	22	160	12	139	3	151	1	195
1877 Jan.	1	190	1	180	15	144	9	162	19	127	12	131	1	195
July	1	190	1	180	41	139	27	162	33	123	18	131	1	195
1878 Jan.	1	180	1	160	17	126	14	163	13	117	2	143	1	180
July	1	160	1	160	36	131	26	162	24	121	6	143	1	180
1879 Jan.	1	140	1	160	22	134	14	163	9	112	6	131	1	180
July	1	140	1	160	39	136	27	162	18	118	10	139	1	180
1880 Jan.	1	140	1	160	21	128	14	166	16	118	21	138	1	180
July	1	140	1	160	31	129	28	166	36	122	19	146	2	195

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Building Trades—(Con.)													
No. of estab.		13				14				15		16			
State		Mass.				Mass.				Mass.		N. J.			
Reference		423		424		426		429		431		433		435	
Occupation		Foremen Painters		Painters		Steam and Gas Fitters		Steam & Gas Fitters Help's		Painters, House		Laborers		Plumbers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.50		$1.165		$1.875		$1.195[1]		$1.10		$1.18		$2.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	6	100	4	100	—	—	5	100	3	100	1	100
	July	1	100	6	102	5	90	—	—	10	101	3	100	1	100
1861	Jan.	1	100	6	101	4	105	1	84	5	103	2	85	1	100
	July	1	100	4	99	—	—	—	—	17	101	2	85	1	100
1862	Jan.	1	100	4	107	4	93	2	110	3	114	3	92	2	81
	July	—	—	4	103	—	—	—	—	6	102	2	85	2	84
1863	Jan.	—	—	6	119	3	111	1	105	5	116	2	95	2	94
	July	1	111	6	107	2	110	1	42	1	102	2	97	2	100
1864	Jan.	1	111	7	110	3	115	1	112	2	136	3	97	2	113
	July	1	117	20	130	6	106	3	77	7	175	3	117	2	125
1865	Jan.	1	133	3	150	4	123	3	63	5	164	4	123	2	125
	July	1	150	5	172	4	120	4	73	9	195	3	153	3	150
1866	Jan.	1	167	15	152	6	113	2	84	4	227	5	151	3	150
	July	1	183	4	182	5	120	3	73	10	198	2	155	4	139
1867	Jan.	1	183	6	200	7	114	2	63	4	216	3	146	3	139
	July	1	200	6	200	5	137	1	84	13	219	3	153	4	145
1868	Jan.	1	200	4	193	5	120	2	73	7	205	3	153	4	149
	July	1	183	5	180	6	109	1	84	14	216	3	153	3	160
1869	Jan.	—	—	—	—	6	120	3	63	8	210	2	155	3	163
	July	1	200	7	190	4	103	1	63	10	227	2	155	3	163
1870	Jan.	1	183	4	172	7	110	1	84	6	205	3	132	3	163
	July	1	183	8	156	6	113	2	84	9	225	3	132	3	163
1871	Jan.	1	200	7	212	9	107	3	97	5	200	4	136	3	163
	July	1	200	6	200	13	119	—	—	17	214	4	139	3	163
1872	Jan.	1	200	4	172	10	116	4	73	4	188	4	141	4	159
	July	1	200	12	196	8	122	—	—	11	219	3	165	4	159
1873	Jan.	1	200	6	186	11	110	2	91	6	190	4	161	4	153
	July	1	200	2	215	11	114	2	101	12	208	4	166	3	163
1874	Jan.	2	200	6	204	9	115	4	89	3	220	2	169	3	168
	July	1	200	4	193	7	122	3	77	8	202	3	156	3	164
1875	Jan.	1	200	6	179	10	121	3	95	4	205	3	156	3	164
	July	1	200	4	185	9	115	2	97	11	215	3	156	3	164
1876	Jan.	1	167	5	167	7	115	2	73	2	227	4	148	3	164
	July	1	167	4	172	4	113	4	103	12	225	2	169	2	158
1877	Jan.	1	167	5	157	8	110	2	97	6	197	2	169	2	146
	July	1	167	10	157	6	109	2	63	15	233	2	169	2	146
1878	Jan.	1	150	5	165	5	107	1	84	10	193	2	141	2	146
	July	1	150	11	166	4	113	1	63	14	221	2	141	2	131
1879	Jan.	1	150	3	129	7	103	1	84	15	212	3	132	2	131
	July	1	150	5	137	8	103	3	77	16	221	2	141	2	131
1880	Jan.	1	150	5	129	6	132	7	75	3	197	2	141	2	122
	July	1	167	10	159	8	115	3	70	15	208	1	113	2	122

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[1] July, 1859.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry					Building Trades—(Con.)									
No. of estab.	16						17						18	
State	N. J.						New York						New York	
Reference	438		441		445		446		449		456		458	
Occupation	Tinsmiths		Carpenters		Carpenters' Apprentices		Carpenters' Helpers		Laborers		Teamsters		Painters	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.52		$1.185		$.375		$1.00		$.88		$.75[1]		$2.00	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	8	100	2	100	4	100	1	100	1	100	—	—	15	100
July	8	104	5	110	5	123	3	79	1	100	—	—	60	100
1861 Jan.	6	108	5	112	4	147	3	79	3	99	—	—	8	100
July	5	110	5	122	1	88	4	92	3	109	1	100	40	100
1862 Jan.	3	113	3	127	1	112	5	100	1	142	1	100	8	100
July	3	113	6	127	1	100	8	111	2	142	1	100	45	100
1863 Jan.	3	115	5	133	3	96	5	113	—	—	1	133	10	100
July	2	107	10	152	4	133	2	125	2	114	1	167	40	113
1864 Jan.	4	132	9	152	4	139	2	125	1	114	1	167	7	113
July	4	122	14	169	2	183	—	—	—	—	1	233	45	150
1865 Jan.	3	128	12	183	—	—	1	150	—	—	1	233	12	150
July	3	148	12	174	—	—	1	150	—	—	1	233	45	175
1866 Jan.	5	148	10	186	1	267	—	—	1	142	1	233	10	175
July	5	155	10	196	—	—	1	150	2	156	1	233	45	175
1867 Jan.	5	152	8	192	—	—	2	138	2	156	1	200	15	175
July	6	164	10	203	—	—	1	150	—	—	1	200	60	200
1868 Jan.	6	162	12	198	—	—	3	150	1	142	2	200	10	200
July	5	178	14	200	—	—	3	150	1	170	2	200	60	175
1869 Jan.	5	178	14	203	—	—	1	150	—	—	2	200	10	175
July	4	181	15	210	—	—	1	150	—	—	2	200	70	225
1870 Jan.	5	172	14	209	—	—	2	150	—	—	1	200	15	225
July	3	175	10	205	—	—	2	150	—	—	1	200	70	175
1871 Jan.	3	184	10	213	—	—	1	150	—	—	1	200	15	175
July	3	189	15	210	1	177	1	150	2	128	1	200	70	175
1872 Jan.	3	192	52	200	3	208	4	150	5	159	4	200	8	175
July	3	181	48	203	3	185	2	150	5	165	4	205	55	175
1873 Jan.	3	192	28	203	2	221	1	150	3	152	3	178	9	175
July	4	185	39	193	8	177	2	138	5	155	3	219	50	175
1874 Jan.	4	189	29	204	7	228	3	156	7	157	2	267	12	175
July	3	192	38	191	8	220	8	152	6	156	2	267	55	175
1875 Jan.	3	192	22	191	3	236	5	144	2	185	2	250	14	175
July	3	181	36	189	3	215	7	140	4	132	3	218	50	175
1876 Jan.	3	181	58	178	5	227	8	143	7	161	5	201	10	175
July	4	181	63	176	3	199	7	140	6	166	4	197	55	175
1877 Jan.	4	156	10	184	4	244	—	—	1	142	2	150	10	175
July	3	164	35	153	2	267	3	138	6	128	4	156	125	125
1878 Jan.	3	164	25	155	1	267	3	125	4	128	4	158	30	125
July	2	156	32	151	—	—	5	130	8	121	3	167	85	125
1879 Jan.	2	156	30	144	—	—	11	141	7	125	4	158	25	125
July	2	156	44	144	1	156	12	144	8	127	4	167	80	150
1880 Jan.	2	156	48	149	1	165	38	148	6	123	5	167	15	150
July	3	148	64	152	1	133	4	138	11	141	3	167	85	150

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[1] Jan., 1859.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Building Trades—(Con.)													
No. of estab.		19		20		21				22				23	
State		New York		New York		New York				New York				New York	
Reference		459		461		462		463		463		464		465	
Occupation		Carpenters		Plumbers		Roofers, Slate & Metal		Bricklayers		Bricklayers' Helpers		Plasterers		Painters	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$2.00		$1.875		$1.25		$2.00		$1.25		$2.00		$1.915[1]	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	30	100	4	100	2	100	8	100	12	100	8	100	—	—
	July	65	100	4	100	6	125	8	100	10	100	8	100	3	100
1861	Jan.	30	100	4	100	3	120	7	100	10	100	7	100	—	—
	July	70	100	4	100	4	120	7	100	10	100	7	100	5	93
1862	Jan.	15	100	5	101	2	160	5	113	8	100	5	100	—	—
	July	40	100	5	107	3	160	5	113	8	100	5	113	2	91
1863	Jan.	12	100	10	107	3	240	4	125	6	130	4	125	—	—
	July	60	100	12	133	6	240	5	125	6	130	5	125	3	113
1864	Jan.	20	113	4	160	5	280	9	125	10	180	9	125	—	—
	July	65	150	4	187	8	280	9	150	10	180	9	150	4	150
1865	Jan.	25	150	4	187	2	320	5	150	3	180	5	150	—	—
	July	50	163	4	187	5	320	5	150	4	180	5	150	2	185
1866	Jan.	40	175	6	195	2	280	5	175	10	180	5	175	—	—
	July	80	175	6	195	6	280	5	200	10	200	5	200	4	183
1867	Jan.	45	175	5	205	2	280	5	200	10	200	5	200	—	—
	July	70	188	5	205	7	280	7	250	14	220	7	250	6	204
1868	Jan.	50	175	5	205	3	280	8	225	15	200	8	225	—	—
	July	85	200	5	205	9	280	7	225	13	200	7	225	6	200
1869	Jan.	50	200	5	205	3	280	20	250	40	220	20	250	—	—
	July	90	200	5	205	9	280	18	250	36	220	18	250	3	209
1870	Jan.	55	188	4	203	3	280	17	250	35	220	17	250	—	—
	July	90	175	4	203	9	280	15	250	32	220	15	250	8	163
1871	Jan.	60	175	4	203	3	280	13	200	25	180	13	200	—	—
	July	95	175	4	203	9	280	10	200	20	180	10	200	4	183
1872	Jan.	60	175	4	203	2	280	10	200	20	200	10	200	—	—
	July	90	175	4	203	10	280	10	200	20	200	10	200	4	183
1873	Jan.	60	175	5	203	2	240	8	200	15	200	8	200	—	—
	July	95	175	5	203	10	240	7	200	13	200	7	200	4	183
1874	Jan.	45	150	5	203	2	240	7	175	12	200	7	175	—	—
	July	75	188	4	200	8	240	8	175	14	200	8	175	3	183
1875	Jan.	40	175	4	200	2	240	5	150	10	160	5	150	—	—
	July	85	160	4	200	11	240	5	150	10	160	5	150	6	178
1876	Jan.	35	150	3	187	2	240	5	125	10	140	5	125	—	—
	July	85	140	3	187	11	240	5	125	10	140	5	125	5	115
1877	Jan.	80	125	2	160	3	200	4	125	8	120	4	125	—	—
	July	125	125	2	160	10	200	4	125	8	120	4	125	4	124
1878	Jan.	40	125	3	160	3	200	4	125	8	120	4	125	—	—
	July	85	125	3	160	10	200	6	125	12	120	6	125	4	117
1879	Jan.	45	125	3	160	4	200	4	125	6	120	4	125	—	—
	July	80	125	3	160	10	200	5	125	7	120	5	125	4	117
1880	Jan.	45	125	3	147	4	200	3	125	5	120	3	125	—	—
	July	85	150	3	160	10	200	2	150	10	140	2	150	6	144

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[1] July, 1860.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Building Trades—(Con.)												Car. & Wag'n	
No. of estab.	24		26				27		28		29		33	
State	New York		Penn.				Penn.		Penn.		Penn.		New York	
Reference	466		470		470		471		474		476		509	
Occupation	Roofers		Bricklayers		Bricklayers' Helpers		Carpenters		Carpenters		Plasterers		Blacksmiths	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.835		$2.00		$1.12		$1.75		$1.75		$1.665		$1.50	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	2	100	6	100	3	100	3	100	6	100	9	100	3	100
July	2	91	20	100	10	100	8	100	10	100	13	102	3	100
1861 Jan.	3	82	—	—	—	—	4	100	5	100	9	98	3	100
July	2	82	20	100	10	112	10	100	12	114	16	99	3	100
1862 Jan.	4	78	6	113	3	112	4	114	7	114	10	99	3	200
July	4	82	20	113	10	112	10	114	16	143	12	100	3	200
1863 Jan.	5	84	—	—	—	—	4	114	5	143	8	116	3	200
July	4	105	—	—	—	—	10	114	10	171	12	115	3	200
1864 Jan.	4	113	10	125	10	134	10	129	6	171	10	114	3	200
July	5	131	35	125	18	134	14	129	8	171	14	116	3	200
1865 Jan.	4	150	10	150	5	179	20	136	7	171	10	114	3	200
July	4	150	30	150	15	179	21	133	12	143	14	137	3	200
1866 Jan.	4	163	12	150	12	179	15	151	8	143	8	139	5	200
July	4	163	40	150	20	179	19	151	20	143	10	156	5	200
1867 Jan.	4	157	12	175	12	201	16	152	6	143	8	158	5	200
July	2	191	40	175	20	201	21	152	25	143	10	222	5	200
1868 Jan.	1	163	12	175	12	201	12	152	12	143	9	220	5	200
July	1	163	40	175	20	201	22	153	18	143	12	220	5	200
1869 Jan.	5	178	15	188	7	201	15	152	10	143	11	218	5	200
July	4	178	50	175	25	179	26	153	22	143	12	220	5	200
1870 Jan.	7	184	15	175	7	179	14	151	12	143	11	218	5	200
July	5	170	50	175	25	179	24	152	20	143	14	171	5	200
1871 Jan.	4	161	18	175	18	179	17	153	8	143	11	169	5	200
July	6	166	55	200	27	201	25	154	24	157	16	173	5	200
1872 Jan.	5	167	18	238	18	223	18	154	7	157	9	174	5	200
July	5	172	55	200	27	223	22	153	32	157	14	171	5	200
1873 Jan.	11	177	10	188	5	223	14	153	11	157	11	169	5	200
July	5	178	40	188	20	223	25	152	35	157	12	175	5	200
1874 Jan.	9	187	10	175	5	201	10	151	8	157	11	169	5	200
July	3	188	40	175	20	201	16	150	25	157	14	171	5	200
1875 Jan.	6	171	10	163	5	179	13	135	12	157	10	174	5	200
July	4	168	45	163	22	179	34	135	30	157	16	173	5	200
1876 Jan.	2	172	15	150	7	156	28	131	10	157	10	141	5	200
July	4	168	60	150	15	156	28	133	20	157	16	139	5	200
1877 Jan.	2	159	15	138	7	156	24	119	9	157	10	117	5	200
July	2	172	60	138	15	156	16	121	24	157	16	116	5	200
1878 Jan.	3	160	15	125	7	134	24	119	8	157	10	117	7	200
July	2	172	55	113	28	134	14	123	25	157	16	116	7	200
1879 Jan.	2	172	15	113	7	134	8	136	15	157	10	102	7	200
July	2	136	60	113	30	134	45	127	38	157	14	101	7	200
1880 Jan.	3	132	12	100	6	134	17	133	10	157	8	101	9	200
July	3	132	50	100	25	134	16	131	40	157	16	109	9	200

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Carriages and Wagons—(Con.)						City Public Works							
No. of estab.		33						34				35			
State		New York						Mass.				New York			
Reference		510		510		511		512		515		518		518	
Occupation		Blacksmiths' Helpers		Painters		Wheelwrights		Foremen Laborers		Laborers		Blacksmiths		Blacksmiths' Helpers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$.835		$1.25		$1.25		$1.25		$1.02		$1.82		$1.25	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	3	100	2	100	6	100	1	100	7	100	16	100	15	100
	July	3	100	2	100	6	100	2	140	24	99	23	99	12	100
1861	Jan.	3	100	2	100	6	100	1	140	18	99	17	99	19	92
	July	3	100	2	100	6	100	2	170	16	99	25	96	8	84
1862	Jan.	3	180	2	140	6	160	2	100	21	99	9	97	4	92
	July	3	180	2	140	6	160	2	160	27	100	7	99	5	91
1863	Jan.	3	180	3	140	6	160	2	160	7	107	4	106	4	100
	July	3	180	3	140	6	160	2	170	12	146	7	110	5	108
1864	Jan.	3	180	3	140	6	160	3	147	29	119	8	137	5	128
	July	3	180	2	140	6	160	4	220	14	131	7	151	7	152
1865	Jan.	3	180	2	140	6	160	6	193	75	120	7	176	5	160
	July	3	180	2	140	6	160	3	167	19	153	5	179	5	160
1866	Jan.	5	180	4	140	6	160	5	180	12	147	2	179	1	160
	July	5	180	4	140	6	160	4	180	32	157	2	192	1	160
1867	Jan.	5	180	4	140	6	160	2	160	30	151	2	192	1	160
	July	5	180	4	140	6	160	3	180	29	156	2	192	1	160
1868	Jan.	5	180	4	140	6	160	1	160	11	152	2	192	1	160
	July	5	180	4	140	6	160	4	210	42	162	4	192	1	160
1869	Jan.	5	180	4	140	10	200	1	160	13	162	6	192	4	160
	July	5	180	4	140	10	200	13	197	76	173	9	192	8	160
1870	Jan.	5	180	4	140	10	200	2	160	27	175	13	192	10	160
	July	5	180	4	140	10	200	22	196	48	174	16	192	16	160
1871	Jan.	5	180	4	140	10	200	3	187	24	176	16	192	12	160
	July	5	180	4	140	10	200	8	180	48	172	25	192	24	160
1872	Jan.	5	180	4	140	10	200	1	160	12	176	15	192	13	160
	July	5	180	4	140	10	200	9	227	77	197	11	192	9	160
1873	Jan.	5	180	4	140	10	200	1	160	18	174	8	192	6	160
	July	5	180	4	140	10	200	7	188	85	177	7	192	5	160
1874	Jan.	5	180	4	140	10	200	1	200	16	178	9	192	6	160
	July	5	180	4	140	10	200	6	233	113	173	5	192	3	160
1875	Jan.	5	180	4	140	10	200	2	170	17	179	3	192	2	160
	July	5	180	4	140	10	200	9	191	96	150	3	192	2	160
1876	Jan.	5	180	4	140	10	200	1	160	52	148	5	192	2	160
	July	5	180	4	140	10	200	4	210	56	151	3	165	3	160
1877	Jan.	5	180	4	140	10	200	1	160	69	100	5	165	3	144
	July	5	180	4	140	10	200	5	176	51	101	5	165	3	144
1878	Jan.	7	180	6	140	10	200	3	140	18	104	5	165	3	144
	July	7	180	6	140	10	200	5	148	41	100	5	151	3	144
1879	Jan.	7	180	6	140	14	200	5	124	71	98	5	151	4	144
	July	7	180	6	140	14	200	12	152	173	99	6	137	5	144
1880	Jan.	9	210	8	200	14	200	5	140	33	101	4	137	3	144
	July	9	210	8	200	14	200	17	210	171	123	4	137	3	144

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	City Public Works—(Con.)													
No. of estab.	35													
State	New York													
Reference	519		519		520		520		521		522		522	
Occupation	Blasters		Bricklayers		Carpenters		Foremen Laborers		Gardeners		Laborers		Masons	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.25		$2.00		$1.72		$2.00		$1.40		$1.00		$2.00	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	6	100	25	100	36	100	42	100	20	100	1225	100	150	100
July	10	100	45	100	18	100	30	100	40	93	1500	100	165	100
1861 Jan.	15	100	25	100	28	101	25	100	14	93	1200	100	58	100
July	—	—	35	90	38	97	28	100	30	82	1100	90	55	90
1862 Jan.	—	—	7	88	14	100	20	100	10	79	800	100	8	88
July	—	—	8	88	13	99	22	100	15	79	900	100	8	88
1863 Jan.	2	128	7	100	19	114	19	100	15	93	800	125	7	100
July	—	—	12	110	8	116	20	110	16	100	800	125	12	110
1864 Jan.	—	—	5	125	8	145	17	125	16	114	700	150	6	125
July	1	152	8	150	10	158	16	150	30	136	650	180	8	150
1865 Jan.	1	160	5	160	9	174	12	150	20	143	500	190	5	160
July	1	160	3	150	10	187	11	150	22	143	450	190	3	150
1866 Jan.	1	160	2	175	8	189	12	150	12	143	420	190	3	175
July	—	—	1	175	11	203	8	150	12	143	500	190	2	175
1867 Jan.	—	—	1	200	9	204	6	175	12	150	300	200	1	200
July	—	—	10	250	20	233	6	175	12	150	250	200	4	200
1868 Jan.	—	—	—	—	16	204	4	175	12	150	200	200	5	200
July	—	—	10	225	24	233	4	200	12	168	200	200	10	225
1869 Jan.	9	200	7	225	22	233	14	200	12	168	600	200	8	225
July	10	200	—	—	25	233	14	200	12	168	600	200	10	213
1870 Jan.	10	224	15	213	25	233	15	200	12	186	620	220	15	213
July	9	195	35	212	40	233	15	210	12	171	620	220	35	212
1871 Jan.	9	195	20	212	200	233	15	225	12	171	620	220	20	212
July	8	195	76	212	200	233	20	225	40	171	800	200	80	212
1872 Jan.	6	195	8	212	16	233	15	225	22	171	600	200	10	212
July	9	195	20	212	25	233	20	225	20	171	900	200	25	212
1873 Jan.	8	195	4	212	40	233	15	225	7	179	650	200	6	212
July	9	195	35	212	20	233	20	225	31	179	800	200	45	212
1874 Jan.	7	195	20	212	15	233	14	225	9	179	600	200	40	212
July	6	195	25	212	15	233	12	225	18	179	450	200	25	212
1875 Jan.	3	195	5	212	15	233	12	225	6	179	450	200	5	212
July	2	195	2	212	9	233	10	225	11	179	300	200	2	212
1876 Jan.	2	195	14	212	30	233	12	225	16	179	350	200	16	212
July	1	195	12	175	20	174	10	225	14	161	300	200	15	175
1877 Jan.	1	195	2	150	15	174	10	200	5	161	350	160	2	150
July	1	195	2	150	12	160	4	200	7	143	150	160	2	150
1878 Jan.	1	195	2	150	12	160	4	200	8	143	125	160	2	150
July	1	195	2	150	6	145	6	175	6	129	150	160	2	150
1879 Jan.	1	195	2	150	4	145	5	175	6	129	110	160	2	150
July	1	195	4	125	12	145	4	150	9	129	80	160	4	125
1880 Jan.	1	195	2	125	6	145	4	150	8	129	60	160	2	125
July	1	195	1	125	15	145	4	150	6	143	75	160	1	125

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		City Public Works—(Con.)													
No. of estab.		35				36									
State		New York				Penn.									
Reference		524		524		526		527		530		531		532	
Occupation		Quarrymen		Stonecutters		Carpenters		Engineers		Engineers' Assistants		Firemen		Laborers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.10		$2.00		$2.00[1]		$2.125		$1.25		$1.25		$1.335	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	110	100	240	100	—	—	4	100	1	100	3	100	23	100
	July	340	100	185	100	1	100	4	100	1	100	3	100	30	97
1861	Jan.	280	100	290	100	1	100	6	99	1	88	6	100	30	97
	July	—	—	20	113	2	100	6	99	1	88	7	103	34	96
1862	Jan.	—	—	—	—	2	100	6	99	1	88	7	103	34	96
	July	—	—	16	88	2	100	6	99	1	88	7	103	34	96
1863	Jan.	—	—	15	100	—	—	6	94	5	92	6	102	8	96
	July	—	—	5	113	—	—	6	94	5	92	5	99	8	96
1864	Jan.	70	145	5	125	—	—	6	96	5	92	10	99	36	112
	July	45	173	20	150	—	—	6	96	5	92	10	99	36	112
1865	Jan.	70	182	10	160	—	—	4	119	5	132	8	132	21	131
	July	50	182	1	150	2	138	4	119	6	132	8	132	26	131
1866	Jan.	30	182	11	175	2	138	4	119	7	132	8	132	15	131
	July	—	—	2	175	1	138	4	119	6	132	8	132	13	131
1867	Jan.	—	—	2	200	1	138	5	116	6	132	8	132	10	131
	July	—	—	8	200	1	138	5	116	6	132	8	132	10	131
1868	Jan.	—	—	30	200	2	113	5	119	6	132	8	132	9	133
	July	20	205	35	213	1	113	5	119	5	132	9	132	11	133
1869	Jan.	300	205	35	213	1	113	5	119	6	132	8	132	9	133
	July	300	205	40	225	—	—	5	121	6	132	8	132	10	133
1870	Jan.	300	227	75	213	—	—	5	121	6	132	8	132	14	133
	July	300	204	160	212	—	—	5	121	6	132	8	132	15	134
1871	Jan.	300	204	65	212	—	—	5	121	6	132	10	132	15	132
	July	250	204	283	212	—	—	5	121	6	132	10	132	12	133
1872	Jan.	125	204	70	212	—	—	5	121	6	132	12	132	11	136
	July	300	204	80	212	—	—	5	121	6	164	12	164	8	138
1873	Jan.	200	204	90	212	—	—	5	124	9	164	12	164	8	136
	July	250	204	50	212	3	150	5	124	9	164	12	164	7	136
1874	Jan.	200	204	90	212	1	150	8	126	9	164	16	164	4	140
	July	150	204	25	212	1	150	8	126	11	164	22	164	5	139
1875	Jan.	75	204	6	212	—	—	7	125	11	164	22	164	9	135
	July	20	204	6	212	—	—	7	125	11	164	22	164	8	136
1876	Jan.	30	204	20	212	—	—	7	125	11	164	24	164	7	131
	July	15	204	15	175	—	—	7	125	11	164	24	164	8	131
1877	Jan.	15	182	2	150	—	—	7	125	11	164	22	164	6	131
	July	15	182	2	150	—	—	7	125	11	164	22	164	7	131
1878	Jan.	12	182	1	150	—	—	7	111	11	148	22	148	7	112
	July	—	—	2	150	—	—	7	111	11	148	22	148	6	112
1879	Jan.	5	160	2	150	—	—	7	111	11	148	21	148	4	112
	July	5	160	2	150	—	—	7	111	11	148	20	148	4	112
1880	Jan.	5	160	2	150	—	—	7	111	11	148	20	148	8	115
	July	5	160	1	150	—	—	7	111	11	148	23	148	8	115

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[1] July, 1860.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	City Public Works—(Con.)										Cotton Goods			
No. of estab.	36				37						38			
State	Penn.				Penn.						Mass.			
Reference	534		537		538		546		550		552		554	
Occupation	Machinists		Pattern-makers		Watchmen		Laborers		Back Boys		Balers		Beam Carriers	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.50		$1.50[1]		$1.50		$1.25		$0.265		$1.00		$.835	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	—	—	2	100	28	100	13	100	1	100	2	100
July	1	100	—	—	2	100	30	100	13	100	1	100	2	100
1861 Jan.	4	121	1	100	4	89	33	100	12	87	1	83	2	83
July	4	121	1	100	4	89	37	100	12	87	1	83	2	83
1862 Jan.	4	121	1	100	4	89	16	100	13	74	1	83	2	83
July	4	121	1	100	3	94	29	100	13	106	1	83	2	83
1863 Jan.	1	100	—	—	2	73	20	120	14	136	1	108	1	129
July	1	100	—	—	2	73	34	120	14	158	1	108	1	129
1864 Jan.	4	146	—	—	2	73	19	140	14	177	1	133	1	150
July	1	133	—	—	2	73	38	140	14	177	1	133	1	150
1865 Jan.	6	175	1	150	2	100	24	140	13	172	1	133	2	159
July	8	183	1	150	2	100	37	140	13	172	1	133	2	162
1866 Jan.	12	183	1	150	2	100	15	140	13	187	1	167	2	175
July	12	178	1	150	2	100	23	140	13	187	1	167	2	175
1867 Jan.	12	182	1	167	2	100	20	140	15	208	1	167	2	167
July	11	182	1	167	2	100	28	140	15	208	1	167	2	167
1868 Jan.	11	182	1	167	2	100	15	140	16	204	1	154	2	158
July	10	180	1	167	2	100	25	140	16	204	1	154	2	158
1869 Jan.	10	180	1	167	2	100	150	140	17	202	1	163	2	158
July	11	189	1	183	2	100	173	140	17	202	1	163	2	158
1870 Jan.	10	185	1	183	2	100	100	140	17	204	1	150	2	160
July	11	182	1	183	2	100	170	140	17	204	1	150	2	160
1871 Jan.	11	183	1	183	2	110	—	—	18	236	1	167	2	160
July	13	183	1	183	2	110	—	—	18	236	1	167	2	160
1872 Jan.	13	186	1	200	2	110	—	—	18	236	1	167	2	160
July	13	186	1	200	2	110	—	—	18	236	1	167	2	160
1873 Jan.	12	189	1	200	2	137	60	120	18	236	1	167	2	153
July	11	186	1	200	3	130	75	120	18	236	1	167	2	153
1874 Jan.	12	191	1	200	4	137	21	120	18	211	1	146	3	142
July	13	192	1	200	4	137	34	120	17	211	1	146	3	142
1875 Jan.	11	192	1	200	6	137	30	120	19	191	1	122	1	150
July	12	191	2	200	7	136	46	120	19	191	1	122	1	150
1876 Jan.	18	189	2	200	7	136	30	120	19	175	1	110	2	105
July	14	190	2	200	8	137	226	120	19	175	1	110	2	105
1877 Jan.	20	192	2	200	7	136	54	100	20	175	1	110	2	123
July	20	192	2	200	7	136	106	100	20	175	1	110	2	123
1878 Jan.	19	159	2	167	7	122	59	100	20	172	1	104	4	99
July	19	159	2	167	6	122	116	100	20	172	1	104	4	99
1879 Jan.	24	160	2	167	6	122	40	100	29	142	1	104	2	105
July	24	160	2	167	6	122	77	100	29	142	1	104	2	105
1880 Jan.	22	161	2	167	6	122	49	100	27	166	1	121	2	116
July	24	162	2	167	5	122	61	100	27	166	1	121	2	116

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[1] January, 1861.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		38													
State		Mass.													
Reference		555		556		559		560		561		563		565	
Occupation		Beltmen		Blacksmiths		Bobbin Men		Boilermen		Boilermen's Helpers		Card Grinders		Card Strippers	
Sex		Male		Male		Male		Male		Male		Male		Female	
Base wages		$1.50		$1.79		$1.415[1]		$1.75		$1.08		$1.025		$.71	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	4	100	—	—	1	100	2	100	7	100	6	100
	July	1	100	4	100	—	—	1	100	2	100	7	100	6	100
1861	Jan.	1	100	4	97	2	100	1	86	2	100	7	90	6	96
	July	1	100	4	97	2	100	1	86	2	100	7	90	6	96
1862	Jan.	1	111	3	106	2	106	1	95	2	100	3	111	6	113
	July	1	111	3	106	2	106	1	95	2	100	3	111	6	113
1863	Jan.	1	111	3	106	1	124	2	100	1	116	3	111	6	141
	July	1	111	3	106	1	124	2	100	1	116	3	111	6	141
1864	Jan.	1	117	3	116	1	159	2	98	1	116	3	120	5	162
	July	1	117	3	116	1	159	2	98	1	116	3	120	5	162
1865	Jan.	1	122	3	151	1	153	2	107	2	130	3	140	5	190
	July	1	122	3	151	1	153	2	107	2	130	3	140	5	190
1866	Jan.	1	150	3	158	4	144	1	114	1	139	3	141	5	190
	July	1	150	3	158	4	144	1	114	1	139	3	141	5	190
1867	Jan.	1	150	3	158	4	147	1	114	1	139	3	155	5	190
	July	1	150	3	158	4	147	1	114	1	139	3	155	5	190
1868	Jan.	1	150	3	161	4	144	1	129	1	139	4	173	6	182
	July	1	150	3	161	4	144	1	129	1	139	4	173	6	182
1869	Jan.	1	150	3	161	6	177	1	114	1	146	5	182	7	181
	July	1	150	3	161	6	177	1	114	1	146	5	182	7	181
1870	Jan.	1	183	3	167	4	168	1	105	1	146	6	178	12	164
	July	1	183	3	167	4	168	1	105	1	146	6	178	12	164
1871	Jan.	1	200	3	161	4	177	1	105	1	146	6	146	10	191
	July	1	200	3	161	4	177	1	105	1	146	6	146	10	191
1872	Jan.	1	200	3	174	4	185	1	143	1	146	3	228	12	188
	July	1	200	3	174	4	185	1	143	1	146	3	228	12	188
1873	Jan.	1	183	5	165	4	177	2	114	2	143	5	171	12	187
	July	1	183	5	165	4	177	2	114	2	143	5	171	12	187
1874	Jan.	1	178	3	149	4	159	3	91	1	131	6	150	12	171
	July	1	178	3	149	4	159	3	91	1	131	6	150	12	171
1875	Jan.	1	147	3	130	4	133	1	91	3	105	4	127	12	134
	July	1	147	3	130	4	133	2	77	3	105	4	127	12	134
1876	Jan.	1	132	3	115	4	114	3	63	2	95	3	120	13	124
	July	1	132	3	115	4	114	3	63	2	95	3	120	13	124
1877	Jan.	1	132	3	115	4	114	1	72	2	95	4	124	3	103
	July	1	132	3	115	4	114	1	72	2	95	4	124	3	103
1878	Jan.	1	123	2	131	—	—	1	65	2	90	5	111	4	109
	July	1	123	2	131	—	—	1	65	2	90	5	111	4	109
1879	Jan.	1	133	2	131	—	—	3	75	2	106	5	120	1	120
	July	1	133	1	131	—	—	3	75	2	106	5	120	1	120
1880	Jan.	1	155	1	154	—	—	3	80	2	106	6	136	1	134
	July	1	155	1	154	—	—	3	80	2	106	6	136	1	134

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[1] Jan., 1861.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		38													
State		Mass.													
Reference		567		572		575		577		578		579		581	
Occupation		Carpenters		Doffers		Double Tenders		Entrymen		Filling Carriers		Lap Carriers		Machinists	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.52		$.315		$.64		$.92		$.83		$.71		$1.565	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	33	100	6	100	1	100	5	100	2	100	7	100
	July	5	100	33	100	6	100	1	100	5	100	2	100	7	100
1861	Jan.	6	102	33	92	4	88	1	82	4	81	2	92	7	97
	July	6	102	33	92	4	88	1	82	4	81	2	92	7	97
1862	Jan.	7	113	33	97	4	110	1	82	4	81	2	126	7	105
	July	7	113	33	97	4	110	1	82	4	81	2	126	7	105
1863	Jan.	6	113	27	124	4	117	1	109	4	111	2	118	7	109
	July	6	113	27	124	4	117	1	109	4	111	2	118	7	109
1864	Jan.	6	132	26	139	3	113	1	136	4	141	2	146	8	128
	July	6	132	26	139	3	113	1	136	4	141	2	146	8	128
1865	Jan.	6	168	26	186	3	198	1	136	4	155	3	144	9	144
	July	6	168	26	186	3	198	1	136	4	155	3	144	9	144
1866	Jan.	6	164	27	183	3	198	1	163	4	155	3	192	8	166
	July	6	164	25	187	3	198	1	163	4	155	3	192	8	166
1867	Jan.	6	170	27	219	3	198	2	163	3	160	2	191	8	176
	July	6	170	28	219	3	198	2	163	3	160	2	191	8	176
1868	Jan.	6	170	31	229	4	186	2	154	3	150	3	184	8	181
	July	6	170	29	229	4	186	2	154	3	150	3	184	8	181
1869	Jan.	6	170	31	222	5	138	2	145	3	150	4	182	8	181
	July	6	170	31	222	5	138	2	145	3	150	4	182	8	181
1870	Jan.	6	170	33	219	5	138	1	136	3	135	5	183	8	174
	July	6	170	33	219	5	138	1	136	3	135	5	183	8	174
1871	Jan.	6	164	32	218	7	123	1	145	3	160	6	191	8	174
	July	6	164	32	218	7	123	1	145	3	160	6	191	8	174
1872	Jan.	6	164	32	295	6	123	1	145	3	160	7	200	8	173
	July	6	164	32	295	6	123	1	145	3	160	7	200	8	173
1873	Jan.	6	175	31	295	7	123	1	141	3	160	5	206	9	177
	July	6	175	31	295	7	123	1	141	3	160	5	206	9	177
1874	Jan.	4	156	19	259	8	123	1	136	3	141	5	170	7	155
	July	4	156	19	259	8	123	1	130	3	141	5	170	7	155
1875	Jan.	6	137	20	198	8	93	1	130	5	122	6	144	7	150
	July	6	137	20	198	8	93	1	109	5	122	6	144	7	150
1876	Jan.	6	119	16	170	6	84	1	109	2	106	6	124	7	114
	July	6	119	16	170	6	84	1	103	2	106	6	124	7	114
1877	Jan.	6	110	15	170	6	88	2	98	2	106	6	127	7	120
	July	6	110	15	170	6	88	2	98	2	106	6	127	7	121
1878	Jan.	6	117	15	168	5	83	2	57	2	100	—	—	7	108
	July	6	117	15	168	5	83	2	57	2	100	—	—	7	108
1879	Jan.	6	130	9	167	5	83	2	92	2	100	—	—	7	108
	July	6	130	9	167	5	83	2	92	2	100	—	—	7	108
1880	Jan.	7	128	11	203	1	97	1	108	2	117	2	134	8	106
	July	6	128	11	203	1	97	1	108	2	117	2	134	8	106

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		38													
State		Mass.													
Reference		585		586		587		589		590		591		592	
Occupation		Masons		Master Machinists		Oilers		Overseers Carding Dep't.		Overseers Cloth Room		Overseers Dressing Dep't.		Overseers Spinning Dep't.	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.48		$3.33		$0.42		$3.00		$2.00		$3.00		$3.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	1	100	2	100	1	100	1	100	1	100	2	100
	July	5	100	1	100	2	100	1	100	1	100	1	100	2	100
1861	Jan.	6	99	1	100	2	107	1	83	1	84	1	83	2	83
	July	6	99	1	100	2	107	1	83	1	84	1	83	2	83
1862	Jan.	7	98	1	100	2	107	1	83	1	84	1	83	2	83
	July	7	98	1	100	2	107	1	83	1	84	1	83	2	83
1863	Jan.	5	115	1	106	2	107	1	100	1	100	1	100	2	100
	July	5	115	1	106	2	107	1	100	1	100	1	100	2	100
1864	Jan.	5	151	1	120	2	112	1	117	1	125	1	117	2	113
	July	5	151	1	120	2	112	1	117	1	125	1	117	2	113
1865	Jan.	3	192	1	120	2	131	1	117	1	113	1	117	2	117
	July	3	192	1	120	2	131	1	117	1	113	1	117	2	117
1866	Jan.	3	225	1	150	4	242	1	133	1	138	1	133	2	133
	July	3	225	1	150	4	242	1	133	1	138	1	133	2	133
1867	Jan.	4	220	1	150	5	225	2	142	1	138	1	133	2	133
	July	4	220	1	150	5	225	2	142	1	138	1	133	2	133
1868	Jan.	6	215	1	150	5	256	2	142	1	138	1	133	2	133
	July	6	215	1	150	5	256	2	142	1	138	1	133	2	133
1869	Jan.	4	238	1	150	6	263	1	150	1	138	1	100	2	133
	July	4	238	1	150	6	263	1	150	1	138	1	100	2	133
1870	Jan.	4	203	1	150	7	261	1	150	1	138	1	100	2	133
	July	4	203	1	150	7	261	1	150	1	138	1	100	2	133
1871	Jan.	4	169	1	165	7	301	1	148	1	129	1	100	2	117
	July	4	169	1	165	7	301	1	148	1	129	1	100	2	117
1872	Jan.	6	203	1	165	7	307	1	150	1	138	1	100	2	117
	July	6	203	1	165	7	307	1	150	1	138	1	100	2	117
1873	Jan.	6	203	1	188	7	304	1	150	1	138	1	100	2	117
	July	6	203	1	188	7	304	1	150	1	138	1	100	2	117
1874	Jan.	6	171	1	165	10	262	1	167	1	138	1	100	2	125
	July	6	171	1	165	10	262	1	167	1	138	1	100	2	125
1875	Jan.	4	144	1	150	12	239	2	158	1	138	1	100	2	133
	July	4	144	1	150	12	239	2	158	1	138	1	100	2	133
1876	Jan.	5	141	1	150	12	229	2	135	1	158	1	100	2	125
	July	5	141	1	150	12	229	2	135	1	158	1	100	2	125
1877	Jan.	5	140	1	150	13	210	1	150	1	125	1	117	2	125
	July	5	140	1	150	13	210	1	150	1	125	1	117	2	125
1878	Jan.	4	147	1	128	6	195	1	143	1	119	1	119	2	130
	July	4	147	1	128	6	195	1	143	1	119	1	119	2	130
1879	Jan.	3	146	1	128	7	188	1	143	1	119	1	133	2	130
	July	3	146	1	128	7	188	1	143	1	119	1	133	2	130
1880	Jan.	3	146	1	120	7	214	1	150	1	125	1	167	2	138
	July	3	146	1	120	7	214	1	150	1	125	1	167	2	138

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		38													
State		Mass.													
Reference		594		596		599		600		602		605		610	
Occupation		Overseers Weaving Dept.		Painters		Pickers		Roller Coverers		Scrubbers		Second Hands		Spoolers	
Sex		Male		Male		Male		Male		Female		Male		Female	
Base wages		$2.065		$1.36		$.71		$1.50		$.45		$1.365		$.50	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	4	100	3	100	12	100	2	100	4	100	13	100	47	100
	July	4	100	3	100	12	100	2	100	4	100	13	100	47	100
1861	Jan.	4	85	2	104	9	111	2	100	4	83	13	77	45	84
	July	4	85	2	104	9	111	2	100	4	83	13	77	45	84
1862	Jan.	4	85	2	107	9	109	1	111	4	83	13	78	45	80
	July	4	85	2	107	9	109	1	111	4	83	13	78	45	80
1863	Jan.	4	103	2	107	9	146	1	111	4	111	10	101	45	105
	July	4	103	2	107	9	146	1	111	4	111	10	101	45	105
1864	Jan.	3	129	2	113	7	181	1	122	4	129	12	113	44	95
	July	3	129	2	113	7	181	1	122	4	129	12	113	44	95
1865	Jan.	4	121	2	135	9	193	2	142	4	149	11	139	—	—
	July	4	121	2	135	9	193	2	142	4	149	11	139	—	—
1866	Jan.	4	157	2	156	9	200	2	151	7	164	12	157	37	200
	July	4	157	2	156	9	200	2	151	7	164	12	157	37	200
1867	Jan.	4	157	2	156	8	200	2	151	7	164	12	160	37	200
	July	4	157	2	156	8	200	2	151	7	164	12	160	37	200
1868	Jan.	4	157	3	159	9	187	2	167	7	160	12	154	36	192
	July	4	157	3	159	9	187	2	167	7	160	12	154	36	192
1869	Jan.	4	157	3	159	10	187	2	151	7	152	13	153	35	208
	July	4	157	3	159	10	187	2	151	7	152	13	153	35	208
1870	Jan.	4	163	3	159	11	170	2	160	7	157	13	149	34	184
	July	4	163	3	159	11	170	2	160	7	157	13	149	34	184
1871	Jan.	4	163	4	161	11	194	2	160	7	169	13	158	40	200
	July	4	163	4	161	11	194	2	160	7	169	13	158	40	200
1872	Jan.	4	151	4	161	10	200	3	161	7	169	12	163	37	200
	July	4	151	4	161	10	200	3	161	7	169	12	163	37	200
1873	Jan.	4	151	4	161	7	211	3	163	7	169	12	163	34	200
	July	4	151	4	161	7	211	3	163	7	169	12	163	34	200
1874	Jan.	4	154	4	142	12	170	3	146	7	146	11	152	34	172
	July	4	154	4	142	12	170	3	146	7	146	11	152	34	172
1875	Jan.	4	151	4	179	12	137	3	127	7	127	13	155	33	161
	July	4	144	4	179	12	137	3	127	7	127	13	155	33	161
1876	Jan.	4	194	3	137	12	134	3	102	7	123	14	127	24	138
	July	4	194	3	137	12	134	3	102	7	123	14	127	24	138
1877	Jan.	4	157	3	150	12	134	3	102	7	99	10	119	24	130
	July	4	157	3	150	12	134	3	102	7	99	10	119	24	130
1878	Jan.	4	184	4	92	9	125	3	103	8	116	9	115	23	130
	July	4	184	4	92	9	125	3	103	8	116	9	115	23	130
1879	Jan.	4	184	4	92	6	125	2	103	8	116	10	115	23	130
	July	4	166	4	92	6	125	2	103	8	120	10	118	23	138
1880	Jan.	4	166	2	129	4	147	2	100	8	120	11	127	23	138
	July	4	176	3	141	4	147	2	100	8	128	11	131	23	152

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Cotton Goods—(Con.)													
No. of estab.	38													
State	Mass.													
Reference	612		617		622		622		623		625		626	
Occupation	Sweepers		Third Hands		Waste Hands		Watchmen		Wheelpit Men		Yard Hands		Yarn Carriers	
Sex	Female		Male		Male		Male		Male		Male		Male	
Base wages	$.71		$.97		$1.10		$1.33		$2.00		$1.10		$.68	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	2	100	17	100	3	100	4	100	1	100	5	100	3	100
July	2	100	17	100	3	100	4	100	1	100	5	100	3	100
1861 Jan.	1	70	18	71	3	91	4	81	1	113	4	91	3	74
July	1	70	18	71	3	91	4	81	1	113	4	91	3	74
1862 Jan.	1	85	12	80	3	86	4	81	1	113	3	82	2	74
July	1	85	12	80	3	86	4	81	1	113	3	82	2	74
1863 Jan.	3	97	9	103	2	121	4	107	1	113	3	110	3	74
July	3	97	9	103	2	121	4	107	1	113	3	110	3	74
1864 Jan.	3	102	4	155	1	136	4	113	1	125	3	127	4	92
July	3	102	4	155	1	136	4	113	1	125	3	127	4	92
1865 Jan.	3	102	6	159	2	132	4	132	2	133	3	114	1	178
July	3	102	6	159	2	132	4	132	2	133	3	114	1	178
1866 Jan.	14	104	13	175	2	114	2	150	1	150	3	127	4	145
July	14	104	13	175	2	114	2	150	1	150	3	127	4	145
1867 Jan.	14	87	17	175	3	127	2	150	1	150	3	136	5	147
July	14	87	17	175	3	127	2	150	1	150	3	136	5	147
1868 Jan.	14	85	17	175	2	136	3	144	1	150	3	136	3	143
July	14	85	17	175	2	136	3	144	1	150	3	136	3	143
1869 Jan.	16	88	18	168	2	127	3	144	1	150	3	132	4	137
July	16	88	18	168	2	127	3	144	1	150	3	132	4	137
1870 Jan.	18	77	15	151	2	118	3	132	1	138	3	136	4	134
July	18	77	15	151	2	118	3	132	1	138	3	136	4	134
1871 Jan.	19	78	15	163	2	136	3	150	1	138	3	136	3	151
July	19	78	15	163	2	136	3	150	1	138	3	136	3	151
1872 Jan.	17	82	15	171	2	136	3	150	1	138	3	136	3	151
July	17	82	15	171	2	136	3	150	1	138	3	136	3	151
1873 Jan.	16	82	14	172	2	136	3	150	1	138	3	144	3	141
July	16	82	14	172	2	136	3	150	1	138	3	144	3	141
1874 Jan.	18	74	15	156	2	121	3	132	1	100	3	127	4	129
July	18	74	15	156	2	121	3	132	1	100	3	127	4	129
1875 Jan.	20	64	26	130	2	91	3	118	2	82	3	91	6	116
July	20	64	26	130	2	91	3	118	2	82	3	91	6	116
1876 Jan.	19	57	15	123	2	90	3	118	1	72	3	82	4	95
July	19	57	15	123	2	90	3	118	1	72	3	82	4	95
1877 Jan.	17	56	14	126	2	90	3	91	1	72	3	86	4	101
July	17	56	14	126	2	90	3	91	1	72	3	86	4	101
1878 Jan.	17	57	19	113	2	85	3	111	1	68	3	82	3	118
July	17	57	19	113	2	85	3	111	1	68	3	82	3	118
1879 Jan.	13	56	21	119	2	85	4	111	1	73	3	82	2	107
July	13	57	20	123	2	85	4	111	1	73	3	82	2	107
1880 Jan.	11	57	18	130	2	100	3	111	1	80	2	95	1	103
July	11	60	18	137	2	100	3	111	1	80	2	95	1	103

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Cotton Goods—(Con.)													
No. of estab.	39													
State	Mass.													
Reference	630		632		634		640		643		646		646	
Occupation	Card Grinders		Card Strippers		Carpenters		Drawers-in		Drawing Hands		Foremen Carpenters		Foremen Machinists	
Sex	Male		Male		Male		Female		Female		Male		Male	
Base wages	$.83		$.625		$1.42		$.475		$.42		$1.75		$1.75	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	2	100	6	100	11	100	5	100	4	100	1	100	1	100
July	2	110	6	103	11	96	3	112	3	119	1	107	1	100
1861 Jan.	2	110	3	111	9	98	4	84	3	119	1	107	1	100
July	2	110	4	112	11	99	5	113	3	119	1	107	1	100
1862 Jan.	3	114	4	112	10	98	4	114	3	119	1	107	1	94
July	3	104	2	104	12	95	3	117	2	95	1	114	1	94
1863 Jan.	2	110	1	96	24	90	2	114	2	95	1	114	1	114
July	2	110	1	96	26	92	2	114	2	95	1	114	1	114
1864 Jan.	2	151	5	120	14	106	5	123	3	119	1	114	1	119
July	1	160	2	179	8	128	2	143	2	119	1	129	3	129
1865 Jan.	1	160	2	179	8	143	2	141	2	119	1	143	1	143
July	2	201	4	179	14	148	7	133	4	129	1	143	3	143
1866 Jan.	2	202	4	179	12	147	6	189	4	160	1	171	1	171
July	2	192	4	179	12	150	5	171	5	160	1	171	1	186
1867 Jan.	2	191	5	179	13	144	5	213	4	160	1	186	1	186
July	2	190	3	179	12	144	3	216	5	160	1	186	1	200
1868 Jan.	2	170	4	160	27	151	4	202	4	160	1	200	1	229
July	3	190	5	160	26	148	4	179	6	160	1	200	1	257
1869 Jan.	2	190	4	160	16	149	5	206	4	160	1	200	1	257
July	3	174	4	160	11	149	5	196	6	160	1	200	1	257
1870 Jan.	3	174	4	146	43	148	3	193	5	160	1	200	1	257
July	3	201	4	173	26	153	11	179	7	160	1	214	1	257
1871 Jan.	3	181	7	159	20	156	12	173	8	160	1	214	1	257
July	3	181	4	159	40	157	13	169	5	160	1	214	1	257
1872 Jan.	3	178	4	140	17	158	11	186	4	160	1	214	1	257
July	3	178	3	150	22	155	15	187	2	160	1	214	1	257
1873 Jan.	3	178	4	159	54	159	13	193	4	149	1	214	1	186
July	3	184	3	177	18	161	15	203	4	160	1	200	1	200
1874 Jan.	2	171	3	162	12	158	10	196	3	148	1	200	1	200
July	2	167	2	175	12	160	14	217	3	146	1	200	1	200
1875 Jan.	3	160	2	140	9	155	2	203	7	149	1	182	1	182
July	2	158	2	140	9	155	1	154	7	149	1	182	1	182
1876 Jan.	2	158	2	142	14	157	4	184	7	146	1	200	1	200
July	2	157	2	136	5	149	4	184	6	139	1	200	1	200
1877 Jan.	2	151	2	112	10	138	4	184	7	126	1	186	1	214
July	2	151	2	136	9	142	4	184	7	126	1	186	1	214
1878 Jan.	2	151	4	112	10	142	5	161	8	131	1	186	1	214
July	2	157	2	112	9	142	5	164	11	132	1	186	1	214
1879 Jan.	3	169	5	136	8	121	12	181	9	114	1	186	1	214
July	3	169	4	136	9	122	12	186	9	114	1	171	1	171
1880 Jan.	4	169	5	136	11	122	17	201	7	115	1	171	1	171
July	3	169	4	144	8	124	14	213	7	119	1	171	1	171

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		39													
State		Mass.													
Reference		647		650		655		656		657		658		659	
Occupation		Foremen Yard		Machinists		Overseers Carding Dept.		Overseers Cloth Room		Overseers Dressing Dept.		Overseers Spinning Dept.		Overseers Weaving Dept.	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$2.00		$1.38		$2.00		$2.25		$1.75		$2.00		$2.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	24	100	1	100	1	100	1	100	1	100	1	100
	July	1	100	24	101	1	100	1	100	1	100	1	100	1	100
1861	Jan.	1	100	14	104	1	100	1	100	1	100	1	100	1	100
	July	1	100	13	106	1	100	1	100	1	100	1	100	1	100
1862	Jan.	1	100	14	97	1	100	1	100	1	100	1	100	1	100
	July	1	100	17	99	1	75	1	78	1	86	1	75	1	75
1863	Jan.	1	100	7	109	1	100	1	78	1	114	1	100	1	100
	July	1	100	10	102	1	100	1	78	1	114	1	100	1	100
1864	Jan.	1	100	11	112	1	100	1	78	1	114	1	100	1	100
	July	1	100	10	126	1	113	1	92	1	114	1	88	1	113
1865	Jan.	1	100	10	145	1	113	1	100	1	129	1	88	1	113
	July	1	113	12	136	1	113	1	100	1	129	2	113	1	113
1866	Jan.	1	125	16	146	1	125	1	111	1	143	1	125	1	138
	July	1	125	15	149	1	125	1	111	1	143	1	129	1	138
1867	Jan.	1	125	14	158	1	125	1	122	1	143	1	138	1	150
	July	1	125	15	155	1	138	1	122	1	143	1	138	1	150
1868	Jan.	1	125	23	154	1	138	1	122	1	143	1	138	1	150
	July	1	125	16	158	1	138	1	122	1	143	1	138	1	150
1869	Jan.	1	125	22	158	1	138	1	133	1	114	1	138	1	150
	July	1	125	18	155	1	138	1	133	1	114	1	100	1	150
1870	Jan.	1	125	20	156	1	100	1	133	1	114	1	100	1	163
	July	1	125	19	157	1	104	1	133	1	114	1	75	1	163
1871	Jan.	1	125	19	161	1	104	1	133	1	93	2	81	1	175
	July	1	125	30	142	1	104	1	133	1	93	2	79	1	188
1872	Jan.	1	125	24	151	1	113	1	133	1	114	2	86	1	188
	July	1	125	25	153	1	125	1	133	1	129	2	113	1	188
1873	Jan.	1	125	39	148	1	125	1	133	1	129	4	113	1	188
	July	1	125	18	157	1	134	1	133	1	200	2	131	1	175
1874	Jan.	1	125	20	153	1	134	1	133	1	200	2	131	1	175
	July	1	125	18	152	1	134	1	133	1	200	2	131	1	175
1875	Jan.	1	125	16	137	1	136	1	121	1	156	2	131	1	159
	July	1	125	16	137	1	136	1	121	1	156	2	131	1	159
1876	Jan.	1	125	21	139	1	136	1	121	1	143	2	163	1	159
	July	1	125	12	127	1	136	1	121	1	143	2	163	1	159
1877	Jan.	1	125	17	133	1	136	1	121	1	114	2	150	1	150
	July	1	125	20	136	1	136	1	121	1	114	2	150	1	150
1878	Jan.	1	125	18	137	1	136	1	121	1	114	2	150	1	150
	July	1	125	18	137	1	136	1	133	1	114	2	181	1	150
1879	Jan.	1	125	19	124	1	163	1	133	1	186	2	200	1	225
	July	1	125	17	114	1	163	1	133	1	186	2	200	1	225
1880	Jan.	1	125	17	126	1	163	1	133	1	186	2	200	1	200
	July	1	125	20	127	1	163	1	133	1	171	2	213	1	200

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		39													
State		Mass.													
Reference		660		663		668		673		678		680		685	
Occupation		Painters		Pickers		Second Hands		Section Hands		Slasher Tenders		Speeders		Spinners, Frame	
Sex		Male		Male		Male		Male		Male		Female		Female	
Base wages		$1.14		$.735		$1.175		$.76		$1.08		$.52		$.475	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	7	100	2	100	6	100	5	100	3	100	4	100	28	100
	July	7	104	2	102	7	103	6	110	4	92	4	106	21	92
1861	Jan.	7	111	2	102	6	103	6	106	2	83	4	104	26	97
	July	5	111	2	102	2	103	6	107	2	83	4	101	29	95
1862	Jan.	4	111	2	102	3	101	6	109	1	84	4	104	30	102
	July	6	100	1	102	4	89	4	103	—	—	2	96	25	102
1863	Jan.	4	95	1	113	1	99	3	113	2	97	1	92	23	97
	July	6	97	1	113	1	99	3	113	2	97	1	92	25	99
1864	Jan.	8	97	1	136	2	128	2	109	5	111	2	106	24	114
	July	6	119	1	170	2	106	3	123	3	131	3	110	25	121
1865	Jan.	6	130	1	204	2	106	2	109	2	127	2	110	28	118
	July	6	133	2	181	5	136	5	147	2	139	5	121	34	131
1866	Jan.	6	132	2	171	5	149	7	185	6	148	4	161	34	191
	July	5	136	3	165	4	154	7	185	4	155	5	161	31	189
1867	Jan.	4	137	2	171	4	160	8	176	3	195	4	161	35	192
	July	4	159	2	171	5	156	5	191	3	195	4	161	33	194
1868	Jan.	5	152	3	141	5	162	5	161	3	176	4	161	34	169
	July	19	205	2	144	5	162	5	167	3	165	4	161	39	176
1869	Jan.	11	175	2	144	5	156	10	154	3	162	6	161	48	179
	July	6	168	2	144	3	163	9	176	4	177	5	161	36	224
1870	Jan.	9	158	4	161	4	140	12	189	6	181	5	161	38	225
	July	6	179	6	156	7	123	10	185	2	185	21	190	40	217
1871	Jan.	5	171	6	156	4	149	16	193	3	175	20	205	32	217
	July	12	183	6	156	5	145	14	190	3	177	19	210	30	230
1872	Jan.	7	166	6	161	3	142	18	198	3	177	16	213	34	233
	July	16	196	3	164	4	165	15	204	3	177	15	215	32	202
1873	Jan.	15	197	14	184	7	152	16	199	2	162	16	225	42	195
	July	4	192	15	183	6	157	14	214	4	162	13	224	51	194
1874	Jan.	2	181	11	161	7	155	16	191	5	140	10	185	54	218
	July	7	175	12	163	9	160	14	186	4	146	10	199	41	187
1875	Jan.	4	164	7	159	6	148	11	188	2	160	10	173	45	191
	July	4	164	7	159	6	148	9	182	3	160	15	182	40	190
1876	Jan.	3	183	9	139	7	160	6	191	2	154	15	180	28	178
	July	4	181	6	136	7	159	6	191	2	154	9	166	27	178
1877	Jan.	2	140	5	117	5	141	7	182	2	148	12	145	24	184
	July	4	140	5	124	5	144	8	183	1	148	14	152	32	181
1878	Jan.	3	140	6	126	5	135	7	184	1	148	13	162	31	195
	July	3	140	6	126	5	135	8	184	1	148	15	163	35	200
1879	Jan.	3	132	7	118	9	151	21	188	6	139	11	167	31	212
	July	2	132	7	118	9	152	20	189	7	139	9	162	37	210
1880	Jan.	3	135	7	118	10	151	12	188	7	134	18	166	44	213
	July	3	143	10	137	9	157	16	195	7	135	19	162	45	208

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		39										40			
State		Mass.										Mass.			
Reference		694		696		700		705		710		713		716	
Occupation		Warpers		Watchmen		Weavers		Yard Hands		Band Boys		Card Grinders		Card Strippers	
Sex		Female		Male		Female		Male		Male		Male		Male	
Base wages		$.595		$.86		$.46		$.855		$.79		$.83		$.755	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	6	100	14	100	19	100	17	100	2	100	11	100	11	100
	July	6	115	14	100	15	103	12	101	4	89	11	100	11	100
1861	Jan.	7	108	14	100	25	110	12	101	4	93	8	105	11	99
	July	6	105	14	100	16	102	14	102	1	105	8	105	11	99
1862	Jan.	7	79	14	100	18	112	10	92	1	127	8	105	14	99
	July	5	84	13	100	19	102	18	101	1	127	2	96	4	99
1863	Jan.	1	67	13	100	21	117	14	104	—	—	1	106	3	100
	July	1	67	13	100	23	118	13	105	—	—	—	—	—	—
1864	Jan.	2	94	15	116	20	128	8	119	—	—	6	181	9	166
	July	1	109	14	145	22	149	9	150	—	—	7	178	12	175
1865	Jan.	1	97	15	145	24	140	5	148	1	63	5	179	10	180
	July	2	141	14	145	25	132	10	152	4	111	6	189	9	179
1866	Jan.	4	132	16	174	24	186	14	154	1	127	6	189	9	180
	July	1	161	15	174	22	198	13	168	—	—	6	189	9	181
1867	Jan.	2	168	15	174	25	189	13	178	11	94	6	194	9	185
	July	2	188	15	174	26	197	34	176	6	105	6	194	9	186
1868	Jan.	2	188	20	174	25	202	25	148	1	105	5	190	15	178
	July	3	188	15	174	30	191	32	153	2	95	5	193	15	180
1869	Jan.	2	153	18	174	26	175	38	165	2	95	5	190	15	180
	July	3	188	15	174	39	257	19	177	2	95	5	189	15	181
1870	Jan.	2	154	18	174	44	214	24	175	2	100	5	189	15	181
	July	2	139	15	174	37	197	23	175	2	100	5	189	15	181
1871	Jan.	3	182	15	174	81	237	24	151	1	105	8	198	19	189
	July	2	188	15	174	92	261	35	175	—	—	8	201	19	190
1872	Jan.	2	188	15	174	76	270	27	159	2	105	8	203	19	190
	July	2	188	16	174	87	259	39	175	2	105	8	202	19	192
1873	Jan.	6	173	15	174	43	255	67	165	2	105	8	187	16	179
	July	4	184	14	174	50	273	49	176	2	105	8	174	16	170
1874	Jan.	5	148	14	174	29	201	37	168	1	51	8	169	16	168
	July	4	143	14	174	28	214	34	176	1	51	8	172	16	164
1875	Jan.	6	146	15	174	28	143	38	161	2	63	8	166	16	161
	July	7	145	15	174	32	154	39	160	2	63	8	167	16	162
1876	Jan.	2	147	14	167	41	151	20	146	3	78	8	166	16	158
	July	2	147	11	163	42	192	19	146	5	87	8	166	16	155
1877	Jan.	2	143	12	151	34	171	16	134	5	89	8	169	16	152
	July	2	143	12	151	33	180	14	134	5	89	8	165	16	152
1878	Jan.	2	143	11	156	38	228	16	134	5	95	8	169	16	148
	July	2	143	10	156	46	232	19	134	5	91	8	168	16	146
1879	Jan.	4	134	9	144	43	217	22	120	7	83	2	169	10	126
	July	4	134	11	142	46	223	35	122	7	83	2	169	10	124
1880	Jan.	4	147	8	142	40	232	25	119	6	84	2	169	10	124
	July	4	147	9	146	47	228	12	123	6	84	2	169	10	124

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		40													
State		Mass.													
Reference		722		727		727		730		730		736		736	
Occupation		Carpenters		Cloth-Ro'm Hands		Cloth-Ro'm Hands		Doffers		Doffers		Drawing Hands		Drawing Hands	
Sex		Male		Female		Male		Female		Male		Female		Male	
Base wages		$1.49		$.61		$.50		$.315		$.305		$.455		$.66	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	8	100	6	100	2	100	2	100	27	100	22	100	5	100
	July	8	100	6	100	2	100	5	103	28	100	23	105	4	100
1861	Jan.	7	104	5	87	2	108	5	103	25	102	9	130	5	95
	July	7	104	5	87	2	108	3	112	15	107	9	134	5	95
1862	Jan.	7	105	1	82	1	116	2	105	14	105	8	114	4	79
	July	9	106	1	82	1	116	1	105	5	114	5	122	2	94
1863	Jan.	9	103	—	—	1	116	4	98	9	94	3	101	—	—
	July	9	107	—	—	1	116	—	—	—	—	1	114	—	—
1864	Jan.	13	128	3	99	—	—	—	—	15	124	13	127	2	106
	July	9	139	3	99	—	—	—	—	15	124	18	125	3	113
1865	Jan.	11	128	3	130	—	—	—	—	15	132	20	117	3	121
	July	11	140	3	130	—	—	6	127	14	132	20	127	3	129
1866	Jan.	14	141	8	136	2	169	6	159	10	165	21	139	5	157
	July	8	159	8	136	2	169	8	159	9	165	19	134	6	176
1867	Jan.	16	153	4	143	3	170	14	167	12	208	22	136	5	155
	July	17	152	4	146	3	170	13	194	9	207	22	138	5	164
1868	Jan.	17	148	4	146	3	170	9	195	4	190	26	145	3	139
	July	17	151	3	148	4	170	11	190	4	190	25	144	3	141
1869	Jan.	15	154	3	148	4	174	9	192	4	195	24	141	2	135
	July	15	154	3	148	4	174	7	189	4	195	24	141	3	115
1870	Jan.	20	147	5	144	2	170	5	171	4	180	25	142	4	174
	July	20	147	5	144	2	170	5	171	4	180	24	138	6	176
1871	Jan.	18	153	4	146	3	181	2	159	10	164	24	176	6	181
	July	18	153	4	146	3	181	2	159	10	164	25	181	3	173
1872	Jan.	18	157	3	164	3	228	5	159	15	164	21	175	2	239
	July	18	157	3	164	3	228	5	159	15	164	24	186	3	215
1873	Jan.	18	152	7	156	3	189	5	159	9	157	25	179	2	144
	July	18	147	7	156	3	189	2	159	9	157	28	176	2	136
1874	Jan.	18	143	7	137	3	170	1	159	10	148	23	152	3	121
	July	18	144	7	139	5	173	1	159	11	152	24	151	3	125
1875	Jan.	18	143	9	134	4	180	—	—	17	126	26	144	2	114
	July	18	142	12	134	4	183	—	—	17	130	27	146	2	114
1876	Jan.	18	133	10	121	3	163	—	—	12	148	26	142	1	103
	July	18	133	10	121	3	163	—	—	11	152	28	138	1	106
1877	Jan.	18	128	11	118	6	145	—	—	9	152	28	134	1	76
	July	18	131	9	120	5	146	—	—	9	144	29	134	1	76
1878	Jan.	18	126	12	115	5	146	—	—	10	151	25	135	1	76
	July	18	126	11	111	4	138	—	—	9	147	26	138	1	76
1879	Jan.	14	124	11	112	5	136	3	111	11	113	28	138	7	93
	July	14	124	11	112	5	136	3	111	13	113	32	142	7	93
1880	Jan.	14	124	12	120	5	148	3	111	13	120	34	149	8	101
	July	14	124	12	120	5	148	6	108	14	98	34	151	8	102

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Cotton Goods—(Con.)													
No. of estab.	40													
State	Mass.													
Reference	743		743		746		748		751		752		752	
Occupation	Dressers		Dressers		Engineers		Firemen		Foremen Yard		Harness Hands		Harness Hands	
Sex	Female		Male		Male		Male		Male		Female		Male	
Base wages	$1.06		$.98		$3.00		$1.415		$1.50		$.465		$.38	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	9	100	2	100	1	100	4	100	1	100	5	100	2	100
July	10	105	2	100	1	100	3	102	1	100	4	103	2	97
1861 Jan.	8	107	3	101	1	100	3	98	1	117	1	125	2	121
July	7	106	3	102	1	100	3	99	1	117	1	125	2	121
1862 Jan.	6	69	2	88	1	100	4	100	1	117	1	140	2	126
July	6	71	2	90	1	100	4	105	1	117	1	140	1	132
1863 Jan.	3	54	1	88	1	100	4	105	1	117	1	151	—	—
July	3	55	1	92	1	100	4	99	1	117	1	151	—	—
1864 Jan.	5	105	2	94	2	92	4	104	1	150	2	162	1	197
July	5	105	2	100	2	92	4	106	1	167	2	162	1	197
1865 Jan.	10	92	3	73	2	96	4	107	1	167	1	162	—	—
July	11	98	4	88	2	96	4	108	1	167	1	162	—	—
1866 Jan.	11	117	5	111	2	96	4	112	1	157	3	185	2	216
July	7	138	7	117	2	100	4	118	1	167	1	192	1	234
1867 Jan.	7	147	3	160	2	100	4	118	1	200	5	180	3	229
July	8	142	3	160	2	100	4	118	1	200	10	168	3	221
1868 Jan.	9	142	3	204	2	100	4	116	1	200	7	177	4	213
July	10	141	3	204	2	100	4	116	1	200	7	177	4	213
1869 Jan.	3	142	2	204	3	95	5	118	1	200	8	152	5	232
July	2	139	1	204	3	95	5	117	1	200	8	154	5	232
1870 Jan.	2	138	4	217	3	92	4	118	1	200	4	172	2	230
July	1	91	3	221	3	92	4	118	1	200	4	173	2	230
1871 Jan.	—	—	4	211	3	92	4	118	1	217	5	201	2	250
July	—	—	4	179	3	92	4	118	1	217	5	203	2	250
1872 Jan.	—	—	3	195	3	97	4	114	1	217	6	213	2	230
July	1	165	4	191	3	97	3	117	1	217	6	233	2	250
1873 Jan.	2	122	3	213	3	97	3	118	1	200	6	213	2	243
July	1	94	6	194	3	97	2	124	1	200	6	213	2	237
1874 Jan.	1	57	5	185	3	95	2	124	1	200	6	210	2	237
July	1	64	4	185	3	97	3	116	1	200	6	206	2	224
1875 Jan.	1	57	4	163	3	100	4	113	1	200	6	206	2	224
July	1	57	6	129	3	100	5	113	1	200	6	206	2	243
1876 Jan.	1	57	6	124	3	100	6	114	1	200	6	206	2	230
July	1	57	6	126	3	100	6	114	1	200	5	209	2	237
1877 Jan.	1	57	6	122	3	103	6	114	1	200	4	212	1	237
July	1	57	5	120	3	100	6	114	1	200	4	212	1	237
1878 Jan.	2	66	6	120	3	103	5	113	1	200	4	212	1	237
July	2	66	6	122	3	103	4	110	1	200	4	212	2	283
1879 Jan.	1	47	6	104	1	117	5	99	1	200	5	213	—	—
July	1	47	6	104	1	117	5	99	1	208	5	213	—	—
1880 Jan.	1	52	7	106	1	117	5	99	1	208	5	213	—	—
July	1	57	6	112	1	117	5	99	1	210	5	213	—	—

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		40													
State		Mass.													
Reference		756		762		766		768		769		770		770	
Occupation		Laborers		Machinists		Machinists Apprentices		Master Machinists		Overseers Carding Dept.		Overseers Cloth Room		Overseers Dressing Dept.	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$.995		$1.765		$.875		$2.00		$2.50		$1.42		$1.83	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	16	100	14	100	2	100	1	100	1	100	1	100	1	100
	July	16	100	13	102	2	100	1	100	1	100	1	100	1	100
1861	Jan.	11	103	10	105	3	114	1	113	1	100	1	106	1	100
	July	11	103	10	105	3	114	1	113	1	100	1	106	1	100
1862	Jan.	9	100	10	105	3	114	1	113	1	100	1	106	1	137
	July	6	106	10	105	2	114	1	113	1	100	1	106	1	137
1863	Jan.	5	107	9	103	2	124	1	113	1	100	1	106	1	137
	July	4	124	10	102	3	137	1	125	1	100	1	106	1	137
1864	Jan.	11	147	14	125	4	119	1	150	1	110	1	106	1	150
	July	14	173	13	127	4	126	1	150	1	110	1	123	1	150
1865	Jan.	8	164	14	126	2	129	1	150	1	110	1	123	1	164
	July	13	174	15	134	—	—	1	150	1	120	1	123	1	164
1866	Jan	13	176	16	132	1	77	1	163	1	120	1	123	1	164
	July	8	177	17	142	1	114	1	163	1	120	1	123	1	164
1867	Jan.	15	166	19	145	3	114	1	163	1	120	1	123	1	164
	July	16	175	22	146	3	114	1	163	1	120	1	123	1	164
1868	Jan.	16	175	22	143	4	134	1	163	1	120	1	123	1	164
	July	16	175	22	143	4	134	1	163	1	120	1	123	1	164
1869	Jan.	17	177	21	143	1	134	1	163	1	120	1	123	1	164
	July	17	177	21	143	1	134	1	163	1	120	1	123	1	164
1870	Jan.	23	178	24	142	1	95	1	163	1	120	1	123	1	164
	July	23	178	24	142	1	95	1	163	1	120	1	123	1	164
1871	Jan.	11	176	22	144	1	114	1	163	1	120	1	194	1	164
	July	11	176	22	144	1	114	1	163	1	120	1	194	1	164
1872	Jan.	11	178	18	149	2	119	1	163	1	120	1	194	1	164
	July	11	176	18	148	2	119	1	163	1	120	1	194	1	164
1873	Jan.	10	146	18	141	2	129	1	163	1	120	1	211	1	164
	July	10	132	18	136	2	143	1	163	1	120	1	211	1	164
1874	Jan.	10	128	18	136	2	143	1	163	1	120	1	190	1	164
	July	10	126	18	132	2	143	1	163	1	120	1	211	1	164
1875	Jan.	10	125	18	129	2	143	1	175	1	120	1	211	1	164
	July	10	124	18	128	2	143	1	175	1	120	1	211	1	164
1876	Jan.	10	122	18	127	2	143	1	175	1	120	1	176	1	164
	July	10	118	18	125	2	143	1	175	1	120	1	176	1	164
1877	Jan.	10	119	18	123	2	143	1	175	1	120	1	176	1	164
	July	10	119	18	120	2	143	1	175	1	120	1	176	1	164
1878	Jan.	10	116	18	122	1	143	1	188	1	120	1	141	1	164
	July	10	113	18	119	1	143	1	188	1	120	1	141	1	164
1879	Jan.	13	117	16	118	3	105	1	200	1	160	1	141	1	164
	July	13	117	16	118	3	105	1	200	1	160	1	141	1	164
1880	Jan.	13	117	16	118	3	105	1	213	1	160	1	176	1	164
	July	13	117	16	118	3	105	1	225	1	160	1	176	1	164

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Cotton Goods—(Con.)													
No. of estab.	40													
State	Mass.													
Reference	771		773		775		779		783		788		792	
Occupation	Overseers Spinning Dept.		Overseers Weaving Dept.		Picking Room Hands		Room Hands		Roving Hands		Second Hands		Section Hands	
Sex	Male		Male		Male		Female		Male		Male		Male	
Base wages	$2.50		$2.25		$.85		$.67		$.38		$1.485		$1.25	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	2	100	4	100	1	100	4	100	6	100	4	100
July	1	100	2	100	4	100	1	100	5	101	6	100	4	102
1861 Jan.	1	100	2	111	6	98	1	112	4	101	7	97	4	107
July	1	100	2	111	6	98	1	112	4	104	7	97	4	108
1862 Jan.	1	100	2	111	7	98	1	112	—	—	6	97	1	106
July	1	100	2	111	7	98	1	112	1	132	5	97	1	106
1863 Jan.	1	100	1	111	2	106	1	112	—	—	6	97	—	—
July	—	—	1	111	2	106	1	112	—	—	3	96	—	—
1864 Jan.	1	120	2	98	4	156	2	93	3	123	13	109	7	108
July	1	120	2	102	5	165	1	106	3	132	13	112	7	108
1865 Jan.	1	110	2	102	2	162	2	106	2	145	14	114	5	127
July	1	110	2	111	4	162	1	149	2	151	14	118	3	131
1866 Jan.	1	120	2	111	7	181	8	152	4	153	15	119	4	122
July	1	120	2	111	8	187	2	153	4	168	11	121	5	115
1867 Jan.	1	120	2	115	8	188	6	160	4	180	18	126	4	129
July	1	120	2	115	9	178	6	154	8	162	18	128	7	126
1868 Jan.	1	120	1	100	8	169	5	158	6	166	18	125	7	138
July	1	120	1	100	7	177	5	158	6	161	18	125	10	146
1869 Jan.	1	120	1	100	7	177	5	161	6	161	18	126	9	144
July	1	120	1	100	7	181	5	161	5	157	18	126	9	145
1870 Jan.	1	120	1	111	8	174	5	184	3	188	15	128	3	138
July	1	120	1	111	8	174	5	184	3	197	15	128	3	144
1871 Jan.	1	120	1	111	10	172	10	164	3	220	19	129	—	—
July	1	120	1	111	10	172	10	164	3	228	19	129	—	—
1872 Jan.	1	120	1	111	8	180	9	155	3	240	21	128	4	125
July	1	120	1	111	8	180	9	155	2	263	21	128	4	125
1873 Jan.	1	160	1	100	8	162	9	147	2	255	20	129	4	107
July	1	160	1	89	8	151	9	146	2	230	20	127	4	107
1874 Jan.	1	120	1	100	8	149	9	151	2	217	20	127	1	120
July	1	120	1	89	8	147	9	152	2	211	19	128	1	120
1875 Jan.	1	160	1	100	8	148	9	155	2	204	19	126	2	140
July	1	160	1	89	8	146	9	158	2	178	19	128	1	160
1876 Jan.	1	220	1	89	8	145	9	161	2	164	20	128	2	148
July	1	220	1	89	8	145	9	160	4	138	19	128	2	148
1877 Jan.	1	200	1	89	8	144	9	158	4	145	20	129	2	140
July	1	200	1	89	8	145	9	157	4	149	20	129	2	140
1878 Jan.	1	200	1	89	8	145	9	160	4	149	20	130	2	140
July	1	200	1	89	8	145	9	160	4	145	20	130	2	140
1879 Jan.	1	200	1	133	7	136	6	129	8	128	8	130	5	122
July	1	200	1	133	7	136	6	129	9	132	8	130	5	126
1880 Jan.	1	200	1	133	7	136	6	129	10	133	8	132	4	122
July	1	200	1	133	7	136	6	129	9	136	8	134	5	123

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Con.)													
No. of estab.		40													
State		Mass.													
Reference		797		806		806		813		816		819		821	
Occupation		Speeders		Spoolers		Spoolers		Stretchers		Sweepers		Teamsters		Third Hands	
Sex		Female		Female		Male		Female		Female		Male		Male	
Base wages		$.505		$.405		$.45		$.535		$.39		$1.50		$1.265	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	8	100	9	100	4	100	3	100	2	100	1	100	5	100
	July	8	100	11	95	5	101	3	100	2	100	1	100	5	100
1861	Jan.	6	104	15	86	2	84	6	110	1	103	2	92	5	100
	July	6	105	20	90	2	96	6	114	1	103	2	92	5	100
1862	Jan.	6	105	12	98	3	119	8	113	—	—	2	92	4	100
	July	1	99	12	101	3	128	3	118	—	—	2	92	2	96
1863	Jan.	1	99	7	88	1	62	8	119	—	—	3	89	2	82
	July	—	—	7	103	2	61	6	116	—	—	2	83	2	82
1864	Jan.	10	144	10	120	3	92	6	117	3	128	3	94	2	112
	July	8	154	11	127	3	98	6	120	2	147	3	94	1	132
1865	Jan.	8	152	15	118	7	107	6	122	2	154	3	91	2	122
	July	8	156	17	125	6	114	6	124	5	156	3	91	2	125
1866	Jan.	8	155	19	173	8	144	6	134	6	182	2	117	5	132
	July	8	159	24	200	5	183	6	143	7	187	2	117	2	128
1867	Jan.	8	161	22	195	5	162	6	145	7	192	2	117	2	137
	July	8	162	19	186	4	162	6	148	7	191	1	133	2	137
1868	Jan.	5	158	15	172	3	159	9	155	5	204	1	133	4	135
	July	5	164	16	186	2	123	9	158	6	204	1	133	3	134
1869	Jan.	5	160	11	186	2	228	9	153	7	204	2	133	1	132
	July	5	158	11	185	3	212	9	155	7	206	2	133	1	132
1870	Jan.	5	158	9	201	3	166	9	162	6	208	2	133	4	135
	July	5	158	12	193	2	171	9	159	6	212	2	133	4	135
1871	Jan.	5	166	15	200	—	—	9	166	6	220	3	133	4	138
	July	5	178	19	179	1	82	9	170	6	224	3	133	4	138
1872	Jan.	5	172	12	189	—	—	9	167	7	206	4	133	1	132
	July	5	174	17	195	—	—	9	166	7	204	4	133	1	132
1873	Jan.	5	156	14	180	—	—	6	148	5	197	3	133	1	132
	July	5	149	20	180	—	—	6	133	5	200	3	133	1	132
1874	Jan.	5	145	21	160	—	—	6	124	5	187	3	122	1	132
	July	5	139	15	147	—	—	6	123	5	185	2	125	1	132
1875	Jan.	5	129	18	162	—	—	7	121	5	187	2	117	1	132
	July	5	129	22	170	—	—	6	112	5	195	1	100	1	132
1876	Jan.	5	135	17	175	—	—	6	124	5	200	—	—	1	132
	July	4	144	20	179	—	—	4	122	8	182	—	—	1	132
1877	Jan.	4	129	17	178	—	—	3	115	8	178	1	117	1	145
	July	4	124	18	164	—	—	2	103	9	174	1	117	1	145
1878	Jan.	4	124	22	152	—	—	2	103	8	176	1	117	1	145
	July	4	124	24	147	—	—	2	103	8	174	1	117	1	145
1879	Jan.	3	132	27	141	—	—	1	140	5	154	2	125	8	125
	July	3	129	34	152	—	—	1	140	6	154	2	125	8	125
1880	Jan.	4	129	26	169	—	—	1	140	6	154	2	125	8	125
	July	3	126	31	168	—	—	1	131	5	154	2	125	8	125

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Cotton Goods—(Concluded)								Dry Goods					
No. of estab.		40								42					
State		Mass.								N. H.					
Reference		824		828		829		832		857		859		861	
Occupation		Warpers		Watchmen		Weavers		Weavers		Porters		Salesmen		Saleswomen	
Sex		Female		Male		Female		Female		Male		Male		Female	
Base wages		$.59		$1.06		$.32		$.42		$1.00		$1.125		$.80	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	7	100	2	100	12	100	8	100	1	100	4	100	5	100
	July	9	100	2	100	14	100	7	100	—	—	—	—	—	—
1861	Jan.	11	99	4	94	14	106	6	100	—	—	—	—	—	—
	July	12	103	4	94	15	106	9	100	1	100	4	100	5	100
1862	Jan.	6	100	—	—	10	106	5	102	1	100	4	100	5	100
	July	5	103	—	—	10	106	6	102	1	100	4	100	5	100
1863	Jan.	1	102	8	94	3	109	8	107	1	125	4	156	5	100
	July	1	102	8	94	9	116	9	107	1	125	4	156	5	100
1864	Jan.	3	137	4	134	8	116	10	107	1	125	4	156	5	100
	July	3	148	4	158	6	116	8	107	1	125	4	156	5	100
1865	Jan.	2	127	4	158	16	125	10	107	1	125	4	178	4	104
	July	3	126	5	158	10	125	8	119	1	125	4	178	4	104
1866	Jan.	6	162	5	165	45	125	9	119	1	125	4	178	4	104
	July	3	202	3	165	52	125	6	119	1	125	4	178	4	104
1867	Jan.	5	193	4	165	55	125	4	119	1	125	4	178	4	104
	July	4	198	5	165	54	131	11	119	1	125	4	178	4	104
1868	Jan.	3	170	3	165	53	131	9	107	1	125	4	178	4	104
	July	3	174	3	165	54	131	7	107	1	125	4	178	5	100
1869	Jan.	5	169	5	165	59	131	8	107	1	125	4	178	5	100
	July	5	174	5	165	62	134	7	119	1	125	4	178	5	100
1870	Jan.	8	169	4	165	47	134	25	110	1	125	4	178	5	100
	July	5	170	4	165	45	134	28	110	1	125	4	178	5	100
1871	Jan.	4	186	5	164	47	134	30	110	1	125	4	178	5	100
	July	4	187	5	164	50	134	32	114	1	125	4	178	5	100
1872	Jan.	4	193	8	165	55	134	27	114	1	125	5	169	4	104
	July	4	196	8	162	60	134	29	117	1	125	5	169	4	104
1873	Jan.	3	172	8	162	38	147	30	124	1	125	5	169	4	104
	July	3	186	8	159	39	147	31	124	1	125	5	169	4	104
1874	Jan.	3	182	8	151	37	147	32	124	1	125	5	169	4	104
	July	3	186	8	156	43	147	33	129	1	125	5	169	4	104
1875	Jan.	3	229	8	153	50	150	34	131	1	125	5	169	4	104
	July	3	240	8	144	52	150	38	131	1	125	5	169	4	104
1876	Jan.	3	184	8	148	50	150	35	131	1	125	5	169	4	104
	July	3	182	8	142	55	156	34	133	1	125	5	169	4	104
1877	Jan.	3	169	8	142	52	156	33	133	1	125	5	169	4	104
	July	3	170	8	144	54	156	27	138	1	125	5	169	5	108
1878	Jan.	3	175	8	142	55	169	29	138	1	125	5	169	5	108
	July	3	175	8	142	56	169	30	131	1	125	5	169	5	108
1879	Jan.	6	144	3	142	60	169	35	131	1	125	5	169	5	108
	July	6	150	3	142	62	187	38	155	1	125	5	169	5	108
1880	Jan.	5	162	3	142	63	187	34	155	1	125	5	169	5	108
	July	5	166	3	142	64	187	32	155	1	125	5	169	5	108

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Ginghams													
No. of estab.		43													
State		Mass.													
Reference		863		864		865		865		866		867		868	
Occupation		Back Boys		Boiler Tenders		Card Grinders		Card Strippers		Card Tenders		Carpenters		Drawers-in	
Sex		Male		Male		Male		Male		Male		Male		Female	
Base wages		$.30		$1.165		$1.25		$.83		$.75		$1.75		$.80	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	16	100	2	100	2	100	4	100	7	100	4	100	5	100
	July	16	100	2	100	3	100	4	100	7	100	4	100	5	100
1861	Jan.	16	100	2	100	3	100	4	100	7	100	2	100	4	100
	July	16	100	2	100	3	100	4	100	7	100	2	86	4	115
1862	Jan.	16	100	2	100	3	100	4	100	6	100	2	86	4	118
	July	16	100	2	100	3	100	4	100	6	100	2	86	4	111
1863	Jan.	16	100	3	100	3	100	3	100	3	111	2	86	5	108
	July	16	100	3	100	3	100	3	114	3	111	3	100	5	104
1864	Jan.	16	100	4	100	3	107	3	114	6	111	4	100	5	103
	July	16	117	4	129	3	120	3	135	6	133	4	114	5	103
1865	Jan.	16	117	4	129	3	120	3	135	6	149	4	114	5	103
	July	16	123	3	140	3	140	4	169	6	167	4	129	6	100
1866	Jan.	16	133	3	140	4	140	4	181	5	187	5	129	6	125
	July	16	150	4	140	4	140	5	181	5	187	6	134	6	150
1867	Jan.	17	150	4	140	4	140	5	181	5	187	6	134	6	163
	July	17	157	5	140	4	140	5	181	7	187	6	143	6	171
1868	Jan.	17	157	5	140	4	133	5	172	6	179	5	143	6	160
	July	17	157	4	140	5	133	6	172	6	179	5	143	6	156
1869	Jan.	17	157	4	140	5	133	5	172	6	179	7	143	6	154
	July	17	150	4	140	5	133	7	172	7	179	8	157	6	154
1870	Jan.	10	167	4	140	5	133	8	172	6	179	12	157	9	154
	July	10	167	4	150	5	133	8	172	6	179	6	157	9	155
1871	Jan.	12	167	4	150	5	133	8	172	6	179	4	157	9	144
	July	12	183	4	150	5	133	5	172	6	179	9	157	10	176
1872	Jan.	12	183	4	150	5	133	5	172	6	179	9	157	9	164
	July	12	183	4	150	5	133	5	172	6	179	8	157	11	164
1873	Jan.	12	183	4	150	5	133	5	172	6	179	3	157	6	155
	July	12	183	4	150	5	133	5	172	6	179	7	157	6	194
1874	Jan.	12	183	4	150	5	133	4	172	6	179	5	157	4	161
	July	12	200	4	150	5	133	4	172	6	179	5	157	5	185
1875	Jan.	12	200	4	150	5	121	4	161	6	163	2	130	5	194
	July	12	200	7	150	5	121	4	161	6	163	7	154	5	165
1876	Jan.	12	200	7	150	5	121	4	161	6	163	10	143	5	179
	July	12	200	7	150	5	112	4	157	6	160	2	143	6	144
1877	Jan.	12	200	7	150	5	112	4	163	6	167	2	143	4	171
	July	12	187	7	150	5	112	3	163	6	169	2	143	6	168
1878	Jan.	12	187	7	150	5	112	3	163	5	169	2	143	6	170
	July	12	187	7	150	5	112	3	163	5	169	6	143	6	168
1879	Jan.	12	187	7	150	5	112	3	163	5	167	7	129	7	178
	July	12	187	8	137	5	112	3	151	5	153	7	129	5	170
1880	Jan.	12	187	8	137	5	112	3	151	5	153	6	129	6	188
	July	12	187	8	146	5	112	3	151	5	153	17	129	5	184

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Ginghams—(Con.)													
No. of estab.		43													
State		Mass.													
Reference		869		869		870		872		874		874		875	
Occupation		Drawing Frame Tenders		Dressers		Dyers		Loom Fixers		Machinists		Overseers Carding Dept.		Overseers Dressing Dept.	
Sex		Female		Male		Male		Male		Male		Male		Male	
Base wages		$.49		$1.64		$1.00		$1.58		$1.55		$3.00		$3.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	10	100	14	100	24	100	13	100	6	100	1	100	1	100
	July	10	102	14	112	24	100	13	99	4	90	1	100	1	100
1861	Jan.	10	102	14	110	24	100	13	97	4	90	1	100	1	100
	July	9	102	9	112	22	100	13	103	4	99	1	100	1	100
1862	Jan.	10	102	10	114	22	100	13	94	4	97	1	100	1	100
	July	10	102	10	120	22	100	13	84	3	92	1	100	1	100
1863	Jan.	8	102	10	117	12	100	12	107	3	97	1	100	1	100
	July	8	102	11	107	12	100	12	96	4	100	1	100	1	100
1864	Jan.	11	112	11	110	16	125	13	97	4	100	1	100	1	100
	July	14	122	9	112	23	150	13	99	6	107	1	100	1	100
1865	Jan.	12	133	10	118	24	150	14	128	7	110	1	100	1	100
	July	15	163	11	131	33	175	17	136	7	128	1	108	1	108
1866	Jan.	10	163	14	137	35	175	18	146	7	145	1	108	1	117
	July	12	173	14	138	35	175	17	147	7	152	1	108	1	117
1867	Jan.	14	173	14	138	35	175	17	147	8	152	1	108	1	117
	July	14	173	14	152	41	175	17	147	8	152	1	117	1	117
1868	Jan.	13	167	14	137	41	175	18	146	10	148	1	117	1	117
	July	12	167	12	132	42	163	19	145	11	147	1	117	1	117
1869	Jan.	12	167	12	133	30	163	18	146	9	148	1	117	1	117
	July	12	167	13	152	28	163	18	147	17	146	1	117	1	117
1870	Jan.	13	167	13	138	23	170	21	148	36	177	1	117	1	117
	July	11	167	12	188	23	170	21	148	25	177	1	117	1	117
1871	Jan.	11	167	13	168	30	170	21	148	24	177	1	117	1	117
	July	10	167	8	158	30	170	21	148	25	177	1	117	1	117
1872	Jan.	10	167	10	171	29	170	22	148	26	177	1	117	1	117
	July	10	167	10	177	29	170	21	148	19	177	1	117	1	117
1873	Jan.	10	167	10	168	30	170	25	145	23	177	1	117	1	117
	July	9	167	10	179	30	170	25	145	19	177	1	117	1	117
1874	Jan.	9	167	11	157	30	170	25	145	12	177	1	117	1	117
	July	9	167	10	185	34	170	25	145	12	177	1	133	1	133
1875	Jan.	8	153	12	166	32	170	26	137	8	161	1	133	1	133
	July	9	153	12	157	29	170	25	133	9	161	1	133	1	133
1876	Jan.	9	153	11	173	27	170	40	133	14	161	1	133	1	133
	July	8	143	10	130	36	160	41	126	14	161	1	133	1	133
1877	Jan.	7	137	11	158	34	150	39	127	12	161	1	133	1	133
	July	7	137	12	134	35	140	38	128	12	161	1	133	1	133
1878	Jan.	6	137	12	144	34	140	38	127	12	161	1	133	1	133
	July	6	137	10	135	37	140	39	127	11	145	1	133	1	133
1879	Jan.	5	137	12	151	38	140	38	127	15	145	1	133	1	133
	July	5	137	12	121	42	135	37	119	12	145	1	133	1	133
1880	Jan.	6	137	13	135	44	135	39	119	12	145	1	133	1	133
	July	6	137	13	128	48	145	38	128	13	155	1	133	1	133

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Ginghams—(Con.)													
No. of estab.		43													
State		Mass.													
Reference		877		878		879		879		880		881		882	
Occupation		Overseers Spinning Dept.		Overseers Weaving Dept.		Painters		Pickers		Quillers		Reelers		Second Hands	
Sex		Male		Male		Male		Male		Female		Female		Male	
Base wages		$2.50		$3.00		$1.75		$1.00		$.57		$.66		$1.55	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	2	100	1	100	3	100	3	100	36	100	34	100	5	100
	July	2	100	1	100	2	100	3	100	35	100	38	100	5	100
1861	Jan.	2	100	1	100	2	100	3	100	37	100	33	120	5.	100
	July	2	100	1	100	2	100	3	100	36	96	28	120	5	100
1862	Jan.	2	100	1	100	2	100	3	100	34	96	26	120	5	100
	July	2	100	1	100	2	100	3	100	29	104	19	145	5	100
1863	Jan.	2	100	1	100	2	100	3	100	23	104	14	145	5	100
	July	2	100	1	100	2	100	3	112	20	100	14	132	5	100
1864	Jan.	2	100	1	100	2	100	4	112	25	100	21	132	5	103
	July	2	100	1	100	2	103	4	125	29	128	25	130	5	116
1865	Jan.	2	100	1	100	2	103	4	125	29	128	26	130	5	124
	July	2	110	1	108	2	114	5	150	39	131	39	129	5	132
1866	Jan.	2	110	1	133	2	120	4	165	45	153	45	144	5	148
	July	2	120	1	133	2	120	4	165	45	160	43	148	5	152
1867	Jan.	2	120	1	133	3	120	4	165	44	165	55	148	5	152
	July	2	120	1	133	5	143	4	165	43	175	47	161	5	152
1868	Jan.	2	120	1	133	2	143	4	157	43	167	44	160	5	155
	July	2	120	1	133	2	143	4	157	42	170	44	159	5	155
1869	Jan.	2	120	1	133	2	143	3	157	44	172	46	160	5	155
	July	2	120	1	133	2	143	4	157	44	172	46	168	5	155
1870	Jan.	2	120	1	133	4	143	7	157	43	184	43	152	5	161
	July	2	120	1	133	2	143	7	157	43	186	34	177	5	161
1871	Jan.	2	120	1	133	1	143	7	157	47	184	39	208	5	161
	July	2	120	1	133	2	143	4	157	48	179	35	195	5	161
1872	Jan.	2	120	1	133	2	143	5	157	49	186	35	208	5	194
	July	2	120	1	133	2	143	7	157	50	177	35	209	5	161
1873	Jan.	2	120	1	133	2	143	8	150	48	186	35	215	5	161
	July	2	120	1	133	2	143	8	150	49	193	35	215	5	161
1874	Jan.	2	120	1	133	2	143	8	150	49	191	36	195	5	161
	July	2	130	1	133	2	157	8	150	48	202	37	191	5	161
1875	Jan.	2	125	1	133	2	157	8	136	49	180	34	171	5	150
	July	2	125	1	133	3	143	8	136	49	182	36	168	5	150
1876	Jan.	2	125	1	133	4	114	8	136	51	186	36	171	5	150
	July	2	128	1	133	3	114	7	132	63	182	37	162	5	156
1877	Jan.	2	128	1	133	2	143	6	140	57	168	47	155	5	156
	July	2	128	1	133	2	143	5	140	60	174	49	154	5	156
1878	Jan.	2	128	1	133	2	143	7	140	56	175	49	159	5	152
	July	2	128	1	133	3	143	5	140	60	179	49	153	5	149
1879	Jan.	2	128	1	133	2	143	6	130	59	177	53	153	5	151
	July	2	128	1	133	3	143	6	130	60	168	53	144	5	148
1880	Jan.	2	128	1	133	4	143	5	130	61	170	51	149	5	148
	July	2	128	1	133	6	129	6	130	62	177	50	152	5	152

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Ginghams—(Con.)													
No. of estab.		43													
State		Mass.													
Reference		885		886		886		887		888		889		889	
Occupation		Smash Menders		Speeders		Spinners, Frame		Warpers		Watchmen		Weavers		Weavers	
Sex		Male		Female		Female		Female		Male		Female		Male	
Base wages		$1.30		$.60		$.56		$.73		$1.165		$.72		$.93	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	3	100	12	100	19	100	26	100	2	100	115	100	85	100
	July	3	100	12	100	17	105	26	100	2	100	103	97	93	98
1861	Jan.	3	100	10	100	10	105	27	100	2	100	98	99	108	100
	July	3	100	13	100	10	105	20	134	2	100	97	111	100	104
1862	Jan.	3	87	12	100	10	105	20	133	2	100	120	101	82	97
	July	3	87	12	100	10	105	19	130	2	100	89	114	65	104
1863	Jan.	3	87	6	100	6	105	11	123	2	100	88	107	23	97
	July	3	87	6	100	8	107	13	108	2	100	90	106	11	104
1864	Jan.	3	87	12	108	16	116	18	104	2	100	115	101	35	99
	July	3	90	11	117	18	125	25	101	3	115	160	109	40	105
1865	Jan.	4	96	11	133	20	143	20	110	3	115	140	134	40	129
	July	4	106	13	158	29	170	28	142	4	129	188	151	34	135
1866	Jan.	3	115	17	158	26	170	35	144	2	129	196	165	85	167
	July	3	115	17	167	25	170	34	144	2	129	172	178	98	185
1867	Jan.	3	115	20	167	26	179	37	144	3	129	171	188	106	177
	July	3	115	19	167	29	179	37	175	3	140	136	182	126	166
1868	Jan.	3	115	17	167	22	179	30	178	3	140	137	176	139	165
	July	3	115	21	167	26	179	32	181	4	140	161	172	124	175
1869	Jan.	3	115	21	167	26	179	35	185	4	140	152	175	121	174
	July	4	115	24	167	25	179	37	190	4	140	159	178	124	175
1870	Jan.	4	115	26	167	37	179	37	164	6	140	138	179	136	170
	July	4	115	22	167	23	179	35	175	5	140	142	179	129	186
1871	Jan.	4	115	22	167	21	223	36	200	5	140	148	191	154	191
	July	4	115	24	167	19	223	36	211	5	140	158	196	138	198
1872	Jan.	4	115	23	192	22	223	36	215	4	140	151	217	142	205
	July	4	115	21	192	23	223	37	197	4	146	152	213	149	198
1873	Jan.	4	115	23	192	22	223	36	212	4	146	150	207	159	198
	July	4	115	21	192	22	223	32	215	4	146	143	222	161	201
1874	Jan.	4	115	23	192	23	205	20	218	4	146	144	195	164	183
	July	4	115	23	192	22	205	20	218	4	146	153	204	179	189
1875	Jan.	4	105	23	175	22	188	16	216	4	146	143	181	190	172
	July	4	105	23	175	22	188	17	225	4	146	153	183	177	177
1876	Jan.	4	108	24	175	22	188	18	237	5	146	148	189	199	177
	July	4	108	24	167	22	179	22	152	5	146	186	168	264	155
1877	Jan.	4	108	23	158	28	170	24	164	6	146	183	156	255	146
	July	4	108	23	158	28	170	26	171	6	146	184	163	260	147
1878	Jan.	4	108	25	158	27	170	25	164	6	146	172	168	272	153
	July	4	108	28	158	21	179	26	155	6	146	178	167	295	148
1879	Jan.	4	115	31	158	24	179	25	153	5	146	175	165	298	144
	July	4	104	32	158	26	179	26	151	5	137	180	160	291	142
1880	Jan.	4	104	9	158	28	179	26	158	5	137	172	164	303	141
	July	4	112	7	158	22	196	27	156	5	137	190	163	299	140

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Ginghams—(Con.)				Groceries				Illuminating Gas					
No. of estab.	43				44				45		46			
State	Mass.				N.H.				Mass.		Mass.			
Reference	891		892		893		895		896		898		898	
Occupation	Winders		Yard Hands		Salesmen		Teamsters		Retortmen		Coal Handlers		Firemen	
Sex	Female		Male		Male		Male		Male		Male		Male	
Base wages	$.56		$1.00		$.875		$1.50		$:955		$1.00		$1.00	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	103	100	10	100	2	100	1	100	2	100	3	100	7	100
July	101	105	10	100	2	100	1	100	2	109	—	—	6	100
1861 Jan.	99	107	10	100	2	100	1	100	2	109	4	100	7	100
July	70	121	8	100	2	129	1	100	2	109	1	100	6	100
1862 Jan.	61	121	6	100	2	157	1	133	2	109	2	100	12	100
July	54	121	6	100	2	157	1	133	2	109	1	100	10	113
1863 Jan.	43	121	6	100	2	186	1	133	2	109	2	100	14	113
July	37	121	6	100	2	186	1	133	2	109	—	—	9	137
1864 Jan.	44	121	8	100	2	186	1	133	2	116	5	143	14	137
July	52	141	8	125	2	186	1	133	2	136	1	150	10	175
1865 Jan.	49	143	10	150	2	186	1	133	2	138	1	150	15	175
July	70	168	10	163	2	186	1	133	2	146	—	—	8	175
1866 Jan.	82	175	12	163	2	186	1	133	3	138	2	150	11	175
July	85	186	12	163	2	186	1	133	3	160	—	—	9	200
1867 Jan.	83	182	11	163	2	186	1	133	3	160	4	175	15	200
July	82	189	10	163	2	186	1	133	3	161	1	175	10	200
1868 Jan.	77	191	12	163	2	186	1	133	3	163	—	—	14	200
July	81	193	12	163	2	186	1	133	3	166	3	200	11	200
1869 Jan.	85	193	14	163	2	186	1	133	3	172	3	200	19	200
July	83	202	15	163	3	190	2	133	3	172	—	—	12	200
1870 Jan.	86	191	15	163	3	162	2	133	4	172	4	200	15	200
July	84	205	27	163	3	162	2	133	3	172	4	200	11	200
1871 Jan.	85	227	14	163	3	162	2	133	3	172	5	200	18	200
July	81	225	24	163	3	162	2	133	4	172	6	200	12	200
1872 Jan.	86	221	13	163	3	162	2	133	4	168	6	200	23	200
July	84	229	26	175	3	162	2	133	4	168	6	225	14	225
1873 Jan.	86	241	12	175	3	162	2	133	4	172	4	225	24	225
July	83	232	21	175	3	162	2	133	3	172	7	225	20	225
1874 Jan.	92	221	15	175	3	162	2	133	4	172	3	200	30	225
July	99	218	13	175	3	162	2	133	4	172	5	200	17	204
1875 Jan.	98	200	8	165	3	181	2	133	4	172	8	200	26	203
July	94	205	7	160	3	190	2	133	4	172	6	200	21	196
1876 Jan.	104	179	7	160	3	181	2	133	4	172	4	183	21	197
July	140	174	20	160	3	181	2	133	4	172	5	150	13	182
1877 Jan.	137	171	10	160	3	181	2	133	4	172	3	150	18	178
July	138	168	6	140	4	186	2	133	4	172	6	150	14	177
1878 Jan.	143	171	5	140	4	186	2	133	4	172	7	150	9	178
July	145	175	6	140	4	186	2	133	4	172	6	150	15	171
1879 Jan.	137	171	7	140	4	186	2	133	4	172	6	150	16	171
July	137	171	10	140	4	186	2	133	4	172	7	150	10	173
1880 Jan.	141	175	12	120	4	186	2	133	5	165	8	150	14	167
July	147	173	23	140	4	186	2	133	4	164	16	150	9	167

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Illuminating Gas—(Con.)													
No. of estab.		46		47											
State		Mass.		New York											
Reference		901		904		907		908		910		912		914	
Occupation		Laborers Street		Blacksmiths		Blacksmiths Helpers		Bricklayers		Bricklayers Helpers		Carpenters		Engineers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.00		$1.965		$1.125		$2.105		$1.335		$1.75		$2.165	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	3	100	7	100	4	100	7	100	3	100	6	100	3	100
	July	12	100	8	98	3	111	26	97	4	103	6	100	3	100
1861	Jan.	—	—	10	97	3	111	11	97	4	103	10	100	3	100
	July	8	100	10	97	6	100	15	97	5	101	9	100	3	100
1862	Jan.	2	109	10	97	5	100	11	97	5	101	9	100	3	100
	July	6	100	9	97	6	100	4	101	4	103	6	100	3	100
1863	Jan.	—	—	6	104	5	111	2	107	3	119	4	100	3	112
	July	5	110	6	140	5	156	2	131	4	131	4	143	3	123
1864	Jan.	—	—	7	124	5	133	4	119	2	131	3	133	6	112
	July	6	125	6	140	5	156	1	119	2	131	4	143	3	123
1865	Jan.	2	125	6	151	4	178	3	127	2	150	5	171	3	135
	July	4	125	6	151	5	178	7	143	6	150	5	171	3	139
1866	Jan.	—	—	6	151	5	178	3	143	3	150	6	171	2	139
	July	4	150	6	153	5	178	9	160	5	150	8	182	2	162
1867	Jan.	—	—	6	153	6	178	2	166	2	150	9	179	2	162
	July	3	150	6	163	5	200	3	190	2	150	5	194	2	162
1868	Jan.	—	—	6	163	5	200	3	190	2	150	3	195	2	162
	July	23	171	5	158	4	200	4	190	3	150	4	207	2	162
1869	Jan.	—	—	5	158	5	200	3	190	2	150	5	209	2	162
	July	12	167	5	158	5	200	7	217	2	150	8	207	2	162
1870	Jan.	2	163	5	158	6	200	3	190	2	150	7	210	2	162
	July	10	170	5	158	6	200	3	190	2	150	7	210	2	162
1871	Jan.	6	171	5	158	5	200	3	190	2	150	5	209	2	162
	July	13	175	5	158	6	200	3	190	2	150	5	209	2	162
1872	Jan.	14	175	5	158	5	200	3	190	3	150	4	207	2	162
	July	15	200	5	183	5	222	3	214	3	169	5	226	2	185
1873	Jan.	9	200	5	183	5	222	5	223	2	169	4	225	2	185
	July	7	200	7	182	6	222	3	214	5	161	4	229	2	185
1874	Jan.	3	200	7	182	5	222	5	214	5	157	4	229	2	185
	July	6	175	7	182	6	222	3	214	3	162	4	229	2	185
1875	Jan.	6	175	7	182	5	222	3	190	3	162	3	214	3	177
	July	21	150	7	182	5	222	4	184	4	159	4	211	3	177
1876	Jan.	14	163	7	182	5	222	3	174	2	159	4	211	3	177
	July	8	147	7	182	5	222	2	166	2	159	5	194	3	177
1877	Jan.	8	163	5	183	4	222	2	166	2	159	4	200	3	177
	July	11	125	5	183	4	222	3	158	2	159	4	200	3	177
1878	Jan.	6	125	5	183	4	222	2	166	2	159	4	200	3	177
	July	7	125	5	148	4	200	3	127	2	150	4	161	3	154
1879	Jan.	6	125	5	148	4	200	4	125	3	150	4	161	3	154
	July	3	125	4	134	4	178	1	131	1	150	4	143	3	131
1880	Jan.	3	125	5	132	4	178	1	131	1	150	4	143	3	135
	July	2	125	5	132	4	178	4	131	3	112	4	157	3	135

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Illuminating Gas—(Con.)													
No. of estab.		47										48			
State		New York										Ohio			
Reference		916		918		920		922		923		925		927	
Occupation		Firemen		Laborers		Painters		Pavers		Stablemen		Blacksmiths		Blacksmiths Helpers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.34		$1.055		$1.50		$1.25		$1.25		$1.50		$1.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	80	100	219	100	1	100	3	100	3	100	1	100	1	100
	July	80	100	208	98	1	100	6	100	3	100	1	100	1	100
1861	Jan.	90	100	240	99	1	100	6	100	3	100	1	100	1	100
	July	90	100	210	98	1	117	4	100	3	100	1	100	1	100
1862	Jan.	90	100	220	99	1	117	3	100	3	100	1	100	1	100
	July	60	100	190	97	1	117	4	100	3	100	3	111	1	115
1863	Jan.	60	131	100	142	1	117	4	100	3	104	3	128	1	115
	July	60	168	80	142	1	167	4	140	2	160	3	139	1	125
1864	Jan.	80	149	90	142	1	150	1	120	3	140	3	172	1	175
	July	80	168	60	142	1	167	3	140	1	160	3	178	1	200
1865	Jan.	70	187	75	186	1	183	4	160	2	160	3	189	1	200
	July	80	187	43	188	2	200	3	160	2	160	3	189	1	200
1866	Jan.	80	187	65	188	2	200	2	160	2	160	3	217	1	200
	July	60	187	55	173	1	217	2	160	2	160	3	217	1	200
1867	Jan.	90	187	43	170	1	217	2	160	2	160	3	217	1	200
	July	60	201	58	169	1	217	2	160	2	180	3	217	1	200
1868	Jan.	80	201	73	168	1	217	2	160	1	180	3	217	1	200
	July	50	201	65	184	1	233	3	200	1	180	3	217	1	200
1869	Jan.	95	224	96	188	1	233	3	200	2	180	3	217	1	200
	July	50	224	105	180	1	233	3	200	2	180	3	217	1	200
1870	Jan.	90	224	93	188	1	233	3	200	2	180	3	217	1	200
	July	60	224	66	187	1	233	3	200	2	180	3	217	1	200
1871	Jan.	100	224	70	188	1	233	3	200	2	180	3	217	1	200
	July	60	224	112	189	1	233	2	200	1	180	3	217	1	200
1872	Jan.	110	224	75	179	1	233	2	200	2	180	3	217	1	200
	July	50	298	114	189	2	258	2	220	2	210	3	217	1	200
1873	Jan.	100	298	102	189	2	258	2	220	2	210	3	217	1	200
	July	50	261	112	189	2	258	1	220	2	210	3	217	1	200
1874	Jan.	110	261	102	189	2	258	1	220	2	210	3	217	1	200
	July	50	261	112	189	2	258	1	220	2	210	3	217	1	200
1875	Jan.	110	243	80	166	2	258	1	200	2	210	3	217	1	200
	July	40	243	160	166	2	258	5	200	2	210	3	217	1	200
1876	Jan.	80	243	90	166	2	250	2	200	2	210	3	217	1	200
	July	25	224	80	142	3	233	1	200	2	210	3	189	1	175
1877	Jan.	80	224	65	142	3	233	1	200	2	210	3	189	1	175
	July	30	224	65	142	3	233	1	200	2	210	3	161	1	150
1878	Jan.	50	224	70	142	3	233	1	200	2	210	3	161	1	150
	July	30	205	55	118	3	189	1	160	2	200	3	161	1	150
1879	Jan.	60	205	50	118	3	189	1	160	2	200	3	161	1	150
	July	30	187	45	116	2	192	2	140	2	180	3	161	1	150
1880	Jan.	55	187	53	117	2	192	3	140	2	180	3	161	1	150
	July	25	205	45	132	2	192	5	140	2	180	3	161	1	150

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Illuminating Gas—(Concluded)										Leather			
No. of estab.	48										50			
State	Ohio										Mass.			
Reference	927		928		929		931		932		939		941	
Occupation	Bricklayers		Carpenters		Firemen		Laborers		Watchmen		Blackers		Cellar Hands	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$2.25		$1.525		$1.225		$1.00		$1.10		$1.00		$1.00	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	2	100	5	100	58	100	40	100	2	100	1	100	1	100
July	2	100	2	103	58	100	40	100	2	100	1	100	1	100
1861 Jan.	2	100	2	103	58	100	40	100	2	100	1	100	1	117
July	2	111	2	103	75	100	40	100	2	102	1	100	1	117
1862 Jan.	2	111	2	103	75	100	40	100	2	102	1	117	2	125
July	2	111	2	107	75	113	65	113	2	114	1	117	2	125
1863 Jan.	2	122	2	115	75	116	65	115	2	114	1	117	2	142
July	2	122	2	131	75	141	65	125	2	136	1	134	2	150
1864 Jan.	2	133	2	148	90	204	111	150	2	159	1	134	2	175
July	2	178	1	164	123	169	46	175	2	159	1	134	2	184
1865 Jan.	2	178	1	164	123	169	10	175	2	159	2	134	2	200
July	2	178	1	197	123	169	10	175	2	159	2	134	2	200
1866 Jan.	2	178	1	197	123	184	10	190	2	159	2	159	2	200
July	2	200	1	180	133	184	10	190	2	159	2	159	2	192
1867 Jan.	2	222	1	164	153	184	10	190	2	159	2	159	2	184
July	2	222	1	164	153	184	10	190	2	159	2	159	2	184
1868 Jan.	2	222	1	164	153	184	10	175	2	159	5	170	4	180
July	2	222	1	148	153	184	10	175	2	159	5	170	4	180
1869 Jan.	2	222	1	148	153	184	10	175	2	159	7	186	4	184
July	2	222	1	148	175	184	10	175	2	159	7	193	4	192
1870 Jan.	2	222	1	148	257	184	10	150	2	136	8	194	5	194
July	2	222	1	148	257	184	10	150	2	136	8	192	5	190
1871 Jan.	5	222	1	148	257	196	10	175	2	159	6	189	5	194
July	5	222	1	148	257	196	60	175	2	159	6	189	5	194
1872 Jan.	5	222	1	148	257	196	60	175	2	159	8	184	5	194
July	5	222	1	164	272	196	30	175	2	182	8	184	5	194
1873 Jan.	5	222	1	164	84	204	30	150	2	182	9	189	5	197
July	2	222	1	164	84	204	30	150	3	182	9	189	5	197
1874 Jan.	2	222	1	164	124	204	30	150	3	182	6	189	5	197
July	2	222	1	164	130	199	32	150	3	182	6	189	5	197
1875 Jan.	2	200	1	164	130	199	32	150	3	182	3	167	6	172
July	2	200	1	164	72	195	32	150	3	182	3	167	6	175
1876 Jan.	2	200	1	164	72	195	32	150	3	159	3	161	7	162
July	2	178	1	164	72	195	34	150	3	159	3	161	7	162
1877 Jan.	2	178	1	164	72	195	34	150	3	159	3	161	7	167
July	2	178	1	131	80	176	40	125	3	159	3	167	7	172
1878 Jan.	2	178	1	131	80	176	40	125	3	159	3	167	8	171
July	2	178	1	131	80	176	40	125	3	159	3	167	8	171
1879 Jan.	4	178	1	131	80	176	40	125	3	159	4	159	8	162
July	4	178	1	131	100	178	40	125	3	159	4	150	8	154
1880 Jan.	4	167	1	164	100	178	40	125	3	159	6	163	6	174
July	13	158	1	164	100	178	40	125	3	159	6	163	6	174

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Leather—(Con.)													
No. of estab.	50													
State	Mass.													
Reference	944		947		949		950		952		954		957	
Occupation	Finishers		Flatteners		Glossers		Setters-Out		Splitters		Stuffers		Table Hands	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.195		$1.165		$1.165		$1.165		$1.50		$1.085		$1.055	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	6	100	1	100	1	100	1	100	1	100	2	100	3	100
July	6	100	1	100	1	100	1	100	1	100	2	100	3	100
1861 Jan.	6	109	1	115	1	115	1	115	1	122	2	107	3	105
July	6	118	1	129	1	115	1	115	1	122	2	107	3	105
1862 Jan.	6	128	1	129	1	129	1	129	1	133	2	123	3	127
July	6	137	1	143	1	129	1	143	1	133	2	123	3	132
1863 Jan.	6	144	1	158	1	143	1	158	1	144	3	143	3	142
July	6	146	1	158	1	143	1	172	1	144	3	148	3	147
1864 Jan.	9	141	1	172	2	143	1	186	1	156	4	150	3	147
July	9	143	1	172	2	143	1	186	1	156	4	153	3	147
1865 Jan.	10	157	1	186	2	143	1	186	1	156	3	179	4	158
July	10	160	1	186	2	150	1	186	1	156	3	179	4	166
1866 Jan.	7	144	3	162	2	150	1	172	1	156	3	174	2	158
July	7	146	3	158	2	158	1	172	1	156	3	174	2	158
1867 Jan.	6	149	4	154	2	150	1	158	2	128	2	177	1	174
July	6	149	4	154	2	150	1	158	2	128	2	177	1	174
1868 Jan.	10	149	4	164	3	158	1	158	3	126	2	177	—	—
July	10	152	4	164	3	158	1	158	3	126	2	177	—	—
1869 Jan.	8	152	4	158	3	167	1	158	3	122	4	173	—	—
July	8	157	4	161	3	167	1	158	3	130	4	184	—	—
1870 Jan.	8	164	4	164	3	172	1	143	3	137	4	181	1	142
July	8	164	4	164	3	172	1	143	3	137	4	181	1	142
1871 Jan.	7	163	4	164	3	172	2	143	3	144	4	181	2	174
July	7	163	4	164	3	172	2	143	3	144	4	177	2	174
1872 Jan.	6	163	3	167	4	164	2	143	3	141	2	169	2	174
July	6	163	3	167	4	164	2	143	3	137	2	169	2	174
1873 Jan.	9	161	3	172	8	164	2	158	3	137	3	174	2	166
July	9	161	3	172	8	166	2	158	3	141	3	179	2	166
1874 Jan.	10	163	4	172	8	167	2	158	4	142	4	181	2	166
July	10	162	4	172	8	167	2	158	4	142	4	181	2	166
1875 Jan.	7	149	4	176	8	154	2	158	4	150	4	153	2	158
July	7	149	4	176	8	154	2	158	4	150	4	153	2	158
1876 Jan.	8	146	5	163	4	161	2	136	4	150	6	148	5	145
July	8	146	5	163	4	161	2	143	4	150	6	148	5	158
1877 Jan.	9	152	5	160	3	162	2	143	4	142	6	148	5	152
July	9	152	5	169	3	162	2	143	4	144	6	151	5	154
1878 Jan.	8	155	5	172	3	167	2	132	4	144	7	155	6	151
July	9	152	5	172	3	167	2	132	4	144	7	155	6	151
1879 Jan.	9	146	5	147	3	143	2	125	3	137	8	154	6	145
July	9	140	5	145	3	138	2	118	3	130	8	138	6	134
1880 Jan.	9	144	7	143	4	139	2	118	3	135	8	146	6	145
July	9	144	7	143	4	139	2	118	3	135	8	146	6	147

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Leather—(Con.)													
No. of estab.		50		51											
State		Mass.		Mass.											
Reference		958		961		962		964		966		967		968	
Occupation		Whiteners		Bark Grinders		Beamsters		Leach Tenders		Limers		Shavers		Yard Hands	
Sex		Female		Male		Male		Male		Male		Male		Male	
Base wages		$1.035		$1.50		$1.50		$1.50		$1.50		$2.50		$1.165	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	2	100	5	100	1	100	1	100	2	100	13	100
	July	5	100	2	100	5	100	1	100	1	100	2	100	13	100
1861	Jan.	5	113	2	111	5	111	1	100	1	111	2	100	13	120
	July	5	116	2	111	5	111	1	100	1	111	1	100	13	129
1862	Jan.	4	133	2	111	5	129	1	122	1	111	1	100	9	130
	July	4	141	2	111	5	129	1	122	1	111	1	100	9	130
1863	Jan.	3	150	2	133	5	140	1	133	1	133	1	100	9	133
	July	3	161	2	133	5	140	1	133	1	133	1	100	9	133
1864	Jan.	2	185	2	144	4	144	2	144	1	144	1	120	8	173
	July	2	201	2	144	4	144	2	144	1	144	1	120	8	173
1865	Jan.	3	188	2	144	4	144	2	144	1	144	1	120	8	182
	July	3	188	2	144	4	144	2	144	1	144	1	120	8	182
1866	Jan.	2	177	2	144	4	144	2	139	1	144	1	120	7	186
	July	2	169	2	144	4	144	2	133	1	144	1	120	7	186
1867	Jan.	2	169	2	139	4	133	2	133	1	133	1	113	7	176
	July	2	169	2	133	4	133	2	133	1	133	1	113	7	176
1868	Jan.	2	161	2	133	4	133	2	133	1	133	1	113	7	172
	July	2	161	2	133	4	133	2	133	1	133	1	113	7	172
1869	Jan.	3	171	2	133	4	133	2	133	1	133	1	106	7	172
	July	3	171	2	133	5	131	2	133	1	133	1	106	7	172
1870	Jan.	3	183	2	122	12	122	2	122	2	117	4	112	14	158
	July	3	183	2	122	12	123	2	128	2	117	4	112	14	158
1871	Jan.	3	198	4	120	12	119	3	133	1	111	3	109	6	141
	July	3	198	4	120	12	119	3	133	1	111	3	109	6	141
1872	Jan.	3	198	4	120	12	120	3	133	1	111	3	120	6	153
	July	3	198	4	120	12	120	3	133	1	111	3	120	6	153
1873	Jan.	3	198	4	122	12	122	3	122	1	111	3	120	6	164
	July	3	198	4	122	12	122	3	122	1	111	3	120	6	164
1874	Jan.	3	198	4	117	12	112	3	118	1	111	3	113	6	145
	July	3	198	4	100	12	99	3	104	1	111	3	113	6	133
1875	Jan.	3	193	4	97	12	98	3	104	1	100	3	113	6	129
	July	3	193	4	94	12	92	3	100	1	100	3	113	6	119
1876	Jan.	4	177	3	96	11	90	3	115	1	100	3	113	7	116
	July	4	177	3	96	11	90	3	119	1	100	3	113	7	121
1877	Jan.	4	177	2	100	5	100	4	97	1	100	3	106	12	121
	July	4	181	2	100	5	100	4	97	1	100	3	106	12	121
1878	Jan.	5	177	2	106	5	102	4	97	1	111	4	93	12	121
	July	5	175	2	106	5	102	4	97	1	111	4	93	12	121
1879	Jan.	7	162	2	89	5	93	4	86	1	111	4	93	10	110
	July	7	151	2	94	5	98	4	89	1	111	4	100	10	116
1880	Jan.	8	158	2	100	5	100	4	92	1	111	4	113	9	121
	July	8	158	2	100	5	104	4	97	1	111	4	113	9	126

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Lumber										Metals & Metallic Goods			
No. of estab.	52				53						54			
State	N. H.				New York						Conn.			
Reference	970		971		974		976		980		983		984	
Occupation	Laborers		Lumbermen		Salesmen		Teamsters		Yard Hands		Blacksmiths		Blacksmiths Helpers	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$.385		$.505		$1.50		$1.125		$1.04		$2.25		$1.375	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	4	100	19	100	1	100	2	100	9	100	1	100	3	100
July	4	100	16	104	1	100	2	100	11	104	1	100	3	100
1861 Jan.	3	100	23	99	1	100	2	115	14	104	1	100	1	100
July	3	100	24	100	2	92	3	99	14	106	1	100	7	101
1862 Jan.	2	119	17	130	2	92	2	94	12	101	2	94	6	96
July	3	119	16	126	2	100	2	94	11	106	1	100	1	100
1863 Jan.	2	160	12	182	2	114	2	98	11	105	1	100	1	100
July	2	160	11	186	4	101	2	98	10	119	2	94	3	103
1864 Jan.	2	179	14	189	3	115	3	117	11	123	2	111	4	100
July	1	179	16	194	3	120	2	111	11	131	2	133	2	121
1865 Jan.	2	179	15	202	3	139	2	111	15	135	1	156	1	133
July	2	179	23	201	3	139	2	111	14	135	2	130	1	121
1866 Jan.	2	179	21	202	3	139	2	122	13	129	1	156	1	121
July	3	179	19	208	3	139	2	122	12	130	3	148	—	—
1867 Jan.	3	179	22	207	3	139	2	122	12	138	1	156	1	136
July	3	179	18	202	2	150	2	122	13	147	1	156	1	127
1868 Jan.	3	179	16	209	2	150	2	133	14	147	1	156	1	127
July	3	179	15	202	1	150	2	133	15	150	2	139	2	127
1869 Jan.	3	179	19	212	2	150	2	133	17	153	1	156	1	133
July	3	179	19	212	3	144	3	141	17	158	2	122	—	—
1870 Jan.	3	179	14	211	3	156	3	141	17	158	2	128	—	—
July	2	179	19	208	3	156	3	141	16	161	2	128	—	—
1871 Jan.	2	179	17	205	3	156	3	141	15	160	3	126	1	127
July	2	179	19	204	2	167	3	148	15	160	2	128	—	—
1872 Jan.	2	179	21	202	2	167	3	156	14	160	2	128	—	—
July	2	179	15	202	2	174	3	156	14	165	1	167	1	133
1873 Jan.	3	179	16	209	2	182	3	156	14	163	1	167	1	133
July	3	179	17	214	2	182	3	156	13	162	—	—	1	133
1874 Jan.	1	179	18	219	2	182	3	156	12	162	2	133	1	133
July	2	179	13	210	4	166	3	156	9	162	—	—	1	133
1875 Jan.	2	179	14	201	3	171	2	144	9	162	—	—	—	—
July	1	179	12	202	3	171	2	144	6	164	3	120	—	—
1876 Jan.	2	179	14	206	3	171	2	144	6	164	2	106	—	—
July	2	179	18	202	3	171	2	144	6	164	2	106	—	—
1877 Jan.	2	179	15	202	2	182	2	144	4	176	1	122	1	109
July	2	179	14	189	2	182	2	144	5	170	2	133	2	109
1878 Jan.	2	179	18	211	2	182	3	141	4	176	2	133	2	109
July	2	179	13	210	2	182	2	133	4	176	2	133	1	109
1879 Jan.	2	179	10	213	2	182	1	133	5	170	2	117	1	109
July	2	179	14	201	2	182	2	133	6	162	2	117	1	109
1880 Jan.	2	179	11	207	2	182	2	133	5	165	1	122	1	109
July	2	179	11	200	2	182	3	133	4	170	1	122	—	—

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metal and Metallic Goods—(Con.)													
No. of estab.		54													
State		Conn.													
Reference		986		989		990		990		991		991		993	
Occupation		Boilermakers		Boilermakers Helpers		Engineers		Foremen Boilermakers		Foremen Machinists		Foremen Moulders		Machinists	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.77		$1.15		$1.50		$3.00		$3.835		$2.875		$1.765	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	4	100	5	100	1	100	1	100	1	100	1	100	12	100
	July	5	99	5	102	1	100	1	100	1	100	1	104	15	100
1861	Jan.	3	101	3	109	1	100	1	100	1	100	1	104	9	102
	July	4	101	7	101	1	100	1	100	1	100	1	104	6	106
1862	Jan.	1	99	3	109	1	100	1	100	1	100	1	104	18	97
	July	1	99	3	109	1	100	1	100	1	100	1	104	14	98
1863	Jan.	2	120	6	100	1	100	1	100	1	100	1	104	6	96
	July	3	141	8	106	—	—	1	117	1	100	1	122	12	103
1864	Jan.	3	127	9	121	1	117	1	133	1	125	1	122	14	111
	July	5	144	12	143	1	150	1	183	1	167	1	157	21	129
1865	Jan.	3	141	8	145	1	167	1	200	1	167	1	157	16	149
	July	10	138	6	145	1	167	1	200	1	167	1	157	14	144
1866	Jan.	3	136	5	152	1	167	1	133	1	98	1	139	20	145
	July	9	149	6	150	1	167	1	133	1	98	1	139	23	154
1867	Jan.	8	143	3	158	1	167	1	167	1	98	1	157	20	161
	July	4	134	3	110	1	167	1	167	1	98	1	157	27	153
1868	Jan.	5	130	5	114	1	167	1	167	—	—	—	—	15	159
	July	7	139	3	101	1	167	1	167	—	—	1	157	17	156
1869	Jan.	5	141	2	130	1	167	1	167	—	—	1	174	13	159
	July	12	142	8	154	1	183	1	183	—	—	1	174	26	153
1870	Jan.	7	137	2	159	1	183	1	183	1	91	1	174	19	152
	July	6	135	1	152	1	178	1	183	1	91	1	157	12	155
1871	Jan.	6	139	1	152	1	178	1	183	1	91	1	157	18	156
	July	7	141	—	—	1	178	1	183	1	91	1	157	21	146
1872	Jan.	4	138	1	152	1	178	1	167	1	91	1	157	19	148
	July	3	141	2	130	1	178	1	167	1	91	1	157	18	157
1873	Jan.	6	137	—	—	1	178	1	167	1	104	1	157	13	160
	July	3	147	1	163	1	178	1	133	1	104	1	157	14	160
1874	Jan.	3	152	—	—	1	178	1	133	1	104	1	157	15	156
	July	3	151	—	—	1	178	1	100	1	104	1	157	10	158
1875	Jan.	3	151	—	—	1	178	1	117	1	104	1	157	7	146
	July	2	134	—	—	1	178	1	108	1	91	1	157	7	147
1876	Jan.	1	141	—	—	—	—	1	108	1	91	1	157	9	145
	July	—	—	—	—	—	—	1	108	1	91	1	157	10	143
1877	Jan.	2	155	1	152	—	—	1	133	1	104	1	139	9	142
	July	4	152	—	—	—	—	1	133	1	117	1	139	13	136
1878	Jan.	11	144	11	134	—	—	1	133	—	—	1	139	19	130
	July	1	141	1	130	—	—	1	133	—	—	1	139	10	137
1879	Jan.	1	141	1	130	—	—	1	133	—	—	1	122	15	134
	July	2	134	1	109	1	133	—	—	—	—	1	122	15	131
1880	Jan.	1	169	2	109	1	133	—	—	—	—	1	122	16	132
	July	1	127	1	130	1	133	—	—	—	—	1	130	17	136

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Metal and Metallic Goods—(Con.)													
No. of estab.	54								55					
State	Conn.								Conn.					
Reference	997		1000		1004		1006		1009		1010		1012	
Occupation	Machinists' Helpers		Moulders		Moulders' Helpers		Pattern-makers		Blacksmiths		Blacksmiths Helpers		Boilermakers	
Sex	Female		Male		Male		Male		Male		Male		Male	
Base wages	$1.16		$1.625		$1.215		$1.75		$1.895[1]		$1.00[1]		$1.555[1]	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	6	100	1	100	7	100	2	100	—	—	—	—	—	—
July	4	104	2	112	10	100	1	100	—	—	—	—	—	—
1861 Jan.	7	126	1	123	9	100	2	86	—	—	—	—	—	—
July	16	110	2	112	8	102	3	105	—	—	—	—	—	—
1862 Jan.	26	109	1	123	7	109	2	100	8	93	9	109	21	108
July	13	110	1	123	7	112	1	100	6	96	6	111	19	106
1863 Jan.	4	125	2	119	6	108	4	89	10	96	11	113	15	121
July	1	97	5	126	5	103	3	102	8	108	20	125	26	129
1864 Jan.	7	129	3	126	11	109	2	111	7	118	15	132	42	138
July	4	130	4	152	7	134	2	136	7	132	13	147	47	163
1865 Jan.	5	134	4	152	9	142	4	138	6	136	11	148	45	172
July	2	122	4	152	7	123	3	159	6	136	13	146	45	170
1866 Jan.	7	123	10	147	10	120	3	171	6	132	10	147	26	173
July	7	137	15	168	8	130	4	152	7	145	14	151	33	178
1867 Jan.	5	140	11	158	4	134	2	186	5	148	7	152	37	178
July	7	149	14	154	5	130	2	186	8	142	11	158	31	182
1868 Jan.	2	147	9	156	2	123	1	200	3	150	3	160	19	171
July	3	134	9	156	3	123	2	200	4	152	5	160	18	167
1869 Jan.	2	142	10	165	3	130	1	200	3	154	4	165	16	174
July	4	119	23	161	2	110	2	207	4	155	5	175	17	170
1870 Jan.	5	130	19	162	2	110	3	186	3	141	4	175	6	177
July	1	94	25	163	2	130	3	200	4	158	4	175	19	164
1871 Jan.	4	122	15	158	3	114	3	209	3	158	4	175	8	159
July	2	122	20	160	3	114	5	191	3	158	5	175	3	171
1872 Jan.	—	—	16	165	3	130	2	200	—	—	—	—	16	160
July	—	—	15	163	1	137	1	229	—	—	—	—	29	167
1873 Jan.	1	94	12	159	1	137	2	200	—	—	—	—	15	176
July	2	94	10	159	2	137	3	186	—	—	—	—	13	163
1874 Jan.	3	106	9	160	3	109	2	207	—	—	—	—	12	160
July	2	112	9	160	2	123	1	243	—	—	—	—	41	164
1875 Jan.	2	137	8	158	2	130	1	243	—	—	—	—	8	165
July	1	151	8	155	1	137	2	179	—	—	—	—	7	158
1876 Jan.	2	140	10	154	2	130	2	179	—	—	—	—	8	161
July	1	94	9	153	1	137	2	179	—	—	—	—	10	147
1877 Jan.	5	122	8	151	4	112	2	179	—	—	—	—	10	138
July	3	137	7	147	4	123	3	186	—	—	—	—	7	140
1878 Jan.	5	142	10	149	7	120	4	161	—	—	—	—	6	145
July	5	135	4	134	6	119	3	167	—	—	—	—	4	113
1879 Jan.	4	117	5	135	5	119	3	138	—	—	—	—	5	119
July	8	98	8	133	12	112	3	133	—	—	—	—	10	124
1880 Jan.	13	116	6	141	6	117	4	121	—	—	—	—	9	127
July	12	117	6	128	4	113	4	129	—	—	—	—	9	131

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[1] Jan., 1859.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		55										56			
State		Conn.										Conn.			
Reference		1016		1020		1023		1024		1025		1026		1027	
Occupation		Boilermakers' Helpers		Machinists		Machinists' Helpers		Pattern-makers		Patternmakers' Helpers		Blacksmiths		Engineers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.005[1]		$1.645[1]		$1.135[1]		$1.675[1]		$1.00[1]		$1.75		$1.165	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	—	—	—	—	—	—	—	—	—	—	1	100	1	100
	July	—	—	—	—	—	—	—	—	—	—	1	100	1	100
1861	Jan.	—	—	—	—	—	—	—	—	—	—	1	100	1	100
	July	—	—	—	—	—	—	—	—	—	—	1	100	1	107
1862	Jan.	6	114	65	108	20	99	—	—	—	—	1	114	1	107
	July	5	115	62	109	22	101	14	110	—	—	1	114	—	—
1863	Jan.	10	117	58	122	25	110	14	110	—	—	1	114	1	129
	July	39	126	86	126	37	111	16	117	2	75	1	114	1	129
1864	Jan.	46	121	69	141	31	115	18	129	2	75	1	129	1	143
	July	60	141	65	158	41	121	17	140	2	100	—	—	1	158
1865	Jan.	59	144	52	171	31	127	11	147	2	150	—	—	1	172
	July	48	147	51	168	32	126	8	150	1	150	—	—	1	172
1866	Jan.	24	150	49	173	21	130	10	161	2	150	—	—	1	172
	July	32	147	79	176	29	136	9	173	2	165	—	—	1	186
1867	Jan.	30	150	57	180	26	139	8	177	2	165	—	—	1	193
	July	21	152	52	181	23	141	8	183	2	200	—	—	1	193
1868	Jan.	5	133	27	183	10	148	8	177	1	200	—	—	1	193
	July	10	146	24	188	15	143	8	181	1	225	—	—	1	215
1869	Jan.	13	151	30	174	11	144	8	177	1	225	—	—	1	215
	July	15	166	37	179	12	152	7	192	—	—	2	307	1	215
1870	Jan.	3	174	31	179	7	153	7	192	—	—	1	200	1	236
	July	14	172	28	174	8	157	4	201	—	—	1	186	1	236
1871	Jan.	4	159	19	178	6	157	4	201	—	—	1	186	1	158
	July	—	—	16	179	5	153	3	204	—	—	2	179	1	158
1872	Jan.	8	171	—	—	—	—	—	—	—	—	3	171	1	158
	July	11	155	19	162	6	143	3	201	—	—	2	186	1	158
1873	Jan.	5	144	14	171	—	—	4	187	—	—	2	186	1	158
	July	5	154	—	—	—	—	—	—	—	—	2	193	1	158
1874	Jan.	7	174	—	—	—	—	—	—	—	—	2	193	1	158
	July	13	163	—	—	—	—	—	—	—	—	2	193	1	158
1875	Jan.	—	—	—	—	—	—	—	—	—	—	2	193	1	158
	July	—	—	—	—	—	—	—	—	—	—	2	173	1	158
1876	Jan.	2	132	—	—	—	—	—	—	—	—	2	167	1	158
	July	3	166	—	—	—	—	—	—	—	—	1	160	1	236
1877	Jan.	4	131	—	—	—	—	—	—	—	—	1	160	1	236
	July	1	124	—	—	—	—	—	—	—	—	1	143	1	236
1878	Jan.	2	149	—	—	—	—	—	—	—	—	1	143	1	236
	July	3	128	—	—	—	—	—	—	—	—	1	143	1	236
1879	Jan.	2	124	—	—	—	—	—	—	—	—	1	143	1	215
	July	4	114	—	—	—	—	—	—	—	—	1	143	1	215
1880	Jan.	4	118	—	—	—	—	—	—	—	—	1	143	1	215
	July	2	137	—	—	—	—	—	—	—	—	1	157	1	215

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[1] Jan., 1859.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Metals and Metallic Goods—(Con.)													
No. of estab.	56													
State	Conn.													
Reference	1028		1029		1032		1036		1038		1043		1047	
Occupation	Foremen Machinists		Foremen Moulders		Machinists		Machinists' Apprentices		Machinists' Helpers		Moulders		Moulders' Apprentices	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$4.79		$2.49		$1.715		$.615		$1.04		$1.53		$.55	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	1	100	12	100	5	100	4	100	12	100	2	100
July	1	100	1	100	12	102	5	102	4	106	9	101	1	109
1861 Jan.	1	100	1	100	8	98	7	101	4	105	11	102	2	115
July	1	100	1	120	10	99	8	109	6	104	15	101	2	119
1862 Jan.	1	100	1	120	19	99	9	107	11	106	12	104	2	119
July	1	100	1	120	14	105	9	109	9	109	12	104	2	125
1863 Jan.	—	—	1	120	9	106	6	96	9	109	9	105	1	121
July	—	—	1	128	5	110	4	102	5	117	12	112	1	182
1864 Jan.	—	—	1	128	7	119	4	103	5	127	18	113	1	205
July	1	68	1	192	12	119	3	106	6	135	25	126	1	145
1865 Jan.	—	—	1	192	12	127	11	129	6	141	14	145	1	155
July	1	67	1	192	12	137	12	140	10	150	18	149	—	—
1866 Jan.	2	101	1	192	27	143	13	145	8	142	17	141	1	182
July	2	100	1	257	23	149	12	154	12	149	23	146	1	182
1867 Jan.	2	100	1	257	26	148	8	150	14	149	23	143	3	170
July	2	117	1	257	15	143	7	144	8	141	17	156	3	175
1868 Jan.	2	117	1	257	11	146	8	151	4	148	15	150	2	182
July	2	117	1	257	19	143	7	159	6	155	14	149	2	182
1869 Jan.	2	117	1	257	15	145	6	172	8	159	15	151	4	175
July	2	117	1	257	16	154	6	176	4	164	32	143	1	136
1870 Jan.	2	117	1	257	13	166	5	175	3	165	23	154	—	—
July	2	117	1	257	12	160	6	161	3	165	25	163	—	—
1871 Jan.	2	117	1	257	9	169	3	155	3	165	25	169	1	164
July	2	117	1	257	10	160	3	163	6	164	43	153	2	164
1872 Jan.	2	117	1	257	16	163	2	154	5	165	45	157	4	168
July	2	127	1	257	28	162	2	154	5	170	39	168	5	165
1873 Jan.	1	120	1	257	14	170	4	154	4	173	29	165	1	227
July	2	110	1	257	7	169	1	179	4	172	33	169	4	182
1874 Jan.	2	110	1	257	7	185	—	—	3	176	17	170	4	194
July	2	110	1	257	5	184	—	—	4	174	20	168	2	191
1875 Jan.	2	110	1	257	5	184	1	146	4	174	20	169	2	200
July	2	105	1	257	5	165	1	163	3	159	29	150	2	200
1876 Jan.	2	105	1	257	6	157	2	163	4	155	26	149	—	—
July	2	94	1	231	5	147	2	171	3	141	18	137	1	164
1877 Jan.	2	94	1	231	4	137	2	171	3	140	18	136	1	182
July	2	84	1	208	2	128	2	171	3	125	15	123	1	182
1878 Jan.	2	84	1	208	5	120	2	179	3	125	16	126	1	200
July	2	84	1	208	3	125	2	179	3	125	18	122	1	200
1879 Jan.	2	79	1	185	3	119	1	163	3	125	14	124	—	—
July	2	79	1	185	3	119	1	163	2	125	17	122	1	121
1880 Jan.	2	79	1	185	6	125	1	189	4	130	17	126	4	128
July	2	79	1	185	8	128	4	157	4	128	19	129	7	141

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		56				57									
State		Conn.				Md.									
Reference		1050		1054		1057		1059		1061		1063		1066	
Occupation		Moulders' Helpers		Pattern-makers		Blacksmiths		Blacksmiths' Helpers		Boilermakers		Laborers		Machinists	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.075		$1.875		$1.565		$1.00		$2.085		$.92		$1.645	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	14	100	2	100	8	100	8	100	2	100	4	100	16	100
	July	13	100	2	100	8	103	10	100	4	86	4	100	20	100
1861	Jan.	11	97	2	100	3	99	3	100	1	120	4	100	12	103
	July	13	95	2	100	2	96	6	96	1	72	5	82	8	94
1862	Jan.	16	95	2	100	4	95	5	97	2	88	4	82	9	98
	July	13	95	2	100	4	95	8	92	2	94	4	90	12	102
1863	Jan.	11	98	2	100	6	109	6	100	6	87	8	109	22	112
	July	13	110	2	100	6	117	6	125	8	92	8	125	27	116
1864	Jan.	18	110	2	109	7	135	10	135	13	107	10	134	24	125
	July	21	125	2	120	8	170	13	147	8	106	8	156	20	157
1865	Jan.	17	132	2	140	7	176	13	159	15	136	14	162	28	164
	July	13	130	2	140	6	173	8	165	11	138	16	172	22	167
1866	Jan.	14	132	3	142	6	184	8	173	12	139	14	176	47	169
	July	12	138	3	142	8	178	7	172	7	120	12	174	28	169
1867	Jan.	13	135	2	160	7	166	7	177	6	130	11	174	27	169
	July	12	134	3	165	7	166	6	173	3	141	11	174	18	171
1868	Jan.	9	136	3	165	4	168	5	174	5	137	8	174	20	171
	July	14	137	3	169	5	166	5	167	6	130	13	174	22	168
1869	Jan.	15	139	3	169	4	168	6	178	5	125	8	171	18	172
	July	21	145	3	173	6	165	6	178	4	121	8	171	23	162
1870	Jan.	21	151	3	182	6	165	6	178	11	113	8	171	32	155
	July	26	152	3	173	6	162	5	172	8	114	9	170	31	158
1871	Jan.	32	151	3	173	4	160	4	177	7	115	8	170	28	160
	July	30	150	3	160	4	164	5	177	8	116	10	167	31	159
1872	Jan.	32	153	4	177	6	162	6	173	9	119	9	168	32	159
	July	47	155	4	190	5	166	4	171	7	120	14	166	20	162
1873	Jan.	22	155	3	182	4	172	4	171	2	152	9	168	27	161
	July	38	157	3	187	4	172	4	171	2	152	9	168	24	161
1874	Jan.	18	160	3	187	4	172	4	171	2	152	8	168	24	161
	July	21	161	3	182	4	172	4	171	2	152	8	168	23	163
1875	Jan.	23	160	2	187	3	154	4	157	3	128	7	145	19	155
	July	35	143	7	146	3	154	4	157	3	128	7	145	19	155
1876	Jan.	18	147	5	153	3	154	3	150	2	138	9	138	22	153
	July	19	134	2	163	3	138	2	150	2	138	11	129	14	150
1877	Jan.	18	133	2	163	3	138	2	150	3	112	10	119	16	141
	July	16	114	2	145	3	138	2	150	3	112	12	117	16	141
1878	Jan.	15	117	2	145	2	136	2	150	3	112	9	116	15	141
	July	14	116	2	145	2	136	2	150	3	112	9	116	15	141
1879	Jan.	12	119	1	144	3	133	3	150	3	112	8	113	14	141
	July	17	114	3	123	3	133	3	150	3	112	8	113	15	140
1880	Jan.	24	116	2	132	3	133	3	150	4	108	8	111	13	145
	July	24	120	2	132	5	141	2	156	3	128	10	122	17	158

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		57								58					
State		Md.								Mass.					
Reference		1069		1071		1073		1076		1077		1079		1082	
Occupation		Moulders		Painters		Pattern-makers		Teamsters		Foremen Furnacemen		Foremen Machinists		Furnacemen	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.87		$1.565		$1.62		$.97		$3.00		$2.68		$1.445	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	8	100	17	100	4	100	1	100	7	100	2	100
	July	5	100	3	99	11	102	3	102	1	100	8	101	1	100
1861	Jan.	4	103	1	107	7	106	4	100	1	100	6	104	1	100
	July	2	94	1	75	4	89	4	87	1	100	7	105	3	91
1862	Jan.	1	107	1	75	3	99	2	84	1	100	9	106	4	90
	July	5	98	1	75	6	98	2	94	1	100	11	102	3	94
1863	Jan.	4	103	1	107	11	104	2	116	1	100	10	97	1	100
	July	6	103	4	109	11	116	3	122	1	100	14	101	6	110
1864	Jan.	6	114	1	96	17	119	3	131	1	100	6	117	4	97
	July	18	120	—	—	15	139	2	155	1	117	7	117	18	94
1865	Jan.	9	135	1	144	12	153	4	159	1	117	12	127	6	92
	July	5	136	1	160	12	161	4	169	1	100	12	128	2	99
1866	Jan.	15	141	1	160	10	177	4	169	1	100	10	127	2	102
	July	10	141	3	170	9	181	4	169	1	100	5	147	2	121
1867	Jan.	12	140	2	160	12	172	4	169	1	117	6	145	3	114
	July	8	140	1	160	9	175	4	169	1	117	9	155	2	111
1868	Jan.	7	141	1	160	8	176	4	169	1	117	10	153	2	111
	July	7	141	1	160	10	171	4	169	1	117	8	154	1	121
1869	Jan.	7	143	1	160	12	181	4	169	1	117	8	151	1	121
	July	6	143	1	160	12	171	4	169	1	117	7	146	1	121
1870	Jan.	8	141	1	160	13	181	4	169	1	117	5	144	3	118
	July	5	146	1	160	11	184	4	169	1	117	3	144	1	121
1871	Jan.	4	149	1	160	10	184	4	169	1	117	3	144	1	121
	July	7	143	1	160	9	185	4	169	1	117	4	145	3	118
1872	Jan.	10	142	1	160	9	185	4	169	1	117	4	154	3	118
	July	8	143	1	160	9	171	4	169	1	117	4	145	5	119
1873	Jan.	8	143	1	160	8	176	1	180	3	106	6	148	6	119
	July	8	143	1	160	8	177	1	180	3	106	6	151	5	121
1874	Jan.	8	143	1	160	8	174	1	180	1	108	5	154	5	110
	July	8	143	1	160	8	177	1	180	1	117	6	154	6	110
1875	Jan.	7	132	1	144	8	177	4	137	1	117	4	156	7	110
	July	7	132	1	128	8	177	4	137	1	117	3	179	5	110
1876	Jan.	10	128	—	—	12	166	4	137	1	100	5	167	8	126
	July	10	119	—	—	9	158	2	137	—	—	5	162	8	125
1877	Jan.	10	115	—	—	12	156	2	137	1	100	4	165	9	123
	July	10	115	—	—	11	153	2	137	1	100	4	165	5	125
1878	Jan.	9	116	—	—	9	160	2	137	1	100	4	165	7	126
	July	9	116	1	112	9	160	2	137	1	100	6	148	7	126
1879	Jan.	10	116	—	—	5	157	2	137	1	100	4	171	5	126
	July	11	117	—	—	5	157	2	137	—	—	1	238	4	127
1880	Jan.	13	117	1	112	7	154	2	137	—	—	—	—	7	126
	July	12	123	1	112	10	156	2	137	1	100	2	194	12	126

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		58												59	
State		Mass.												Mass.	
Reference		1086		1093		1100		1107		1113		1114		1114	
Occupation		Laborers		Machinists		Machinists Helpers		Moulders, Iron		Teamsters		Teamsters with Teams		Laborers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$.89		$1.72		$1.28		$1.56		$.94		$2.50		$.90	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	30	100	42	100	9	100	19	100	5	100	1	100	2	100
	July	38	102	74	98	14	97	25	102	8	109	1	100	2	100
1861	Jan.	40	101	81	100	21	100	23	102	5	106	1	100	2	100
	July	88	98	114	97	33	98	58	100	10	104	—	—	2	100
1862	Jan.	60	99	110	100	18	100	38	101	8	108	1	100	2	100
	July	36	103	81	102	14	98	27	102	10	109	1	100	2	100
1863	Jan.	42	104	78	103	10	100	15	105	9	112	1	100	3	100
	July	27	105	70	103	32	93	24	110	12	121	1	100	3	100
1864	Jan.	30	110	112	120	53	99	21	120	7	124	1	100	3	100
	July	9	122	106	125	42	109	20	120	8	139	1	100	3	144
1865	Jan.	14	143	78	136	30	112	24	141	8	146	1	100	3	144
	July	22	153	77	137	20	117	22	147	10	158	1	100	3	144
1866	Jan.	28	153	86	141	26	121	25	153	5	160	1	100	3	167
	July	40	152	98	146	24	121	26	155	9	156	1	100	3	167
1867	Jan.	42	154	113	148	31	119	27	156	6	160	1	100	3	156
	July	40	159	103	149	26	119	27	159	7	163	1	100	3	156
1868	Jan.	34	167	94	148	25	120	22	158	6	164	1	100	3	156
	July	51	156	85	144	17	117	24	147	5	165	1	100	3	156
1869	Jan.	50	151	84	146	17	120	20	155	5	165	—	—	2	156
	July	35	157	99	149	20	121	18	156	—	—	—	—	2	156
1870	Jan.	30	160	75	153	16	119	19	157	—	—	—	—	2	156
	July	38	154	67	147	7	117	15	155	—	—	—	—	2	156
1871	Jan.	39	157	62	150	13	122	18	156	—	—	—	—	2	156
	July	24	166	58	154	12	120	23	152	—	—	—	—	2	156
1872	Jan.	33	155	75	155	18	119	26	157	—	—	—	—	2	156
	July	50	153	82	156	16	117	29	157	—	—	—	—	2	178
1873	Jan.	35	157	75	157	19	117	23	155	—	—	—	—	2	178
	July	34	159	62	158	21	117	20	159	—	—	—	—	2	178
1874	Jan.	52	149	69	143	14	121	26	147	—	—	—	—	2	178
	July	51	151	48	144	3	117	20	142	—	—	—	—	2	178
1875	Jan.	61	149	59	147	3	117	20	142	—	—	—	—	2	167
	July	44	144	46	144	3	117	17	143	—	—	—	—	2	178
1876	Jan.	44	145	50	144	3	136	9	138	—	—	1	80	2	200
	July	31	139	25	135	3	148	5	137	1	166	2	100	2	200
1877	Jan.	24	145	28	133	1	148	6	140	1	160	1	80	2	211
	July	23	146	34	132	3	138	5	138	—	—	—	—	2	211
1878	Jan.	33	137	35	137	4	125	4	138	—	—	—	—	2	211
	July	59	130	46	134	7	121	5	144	1	160	1	80	2	222
1879	Jan.	24	139	34	138	6	128	4	140	1	160	1	80	2	194
	July	30	127	44	130	8	130	5	135	1	160	1	80	2	194
1880	Jan.	49	121	22	127	16	129	9	134	1	160	1	80	3	194
	July	132	115	101	136	19	128	13	135	2	146	1	80	6	194

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		59				60								61	
State		Mass.				Mass.								Mass.	
Reference		1115		1115		1116		1117		1117		1118		1119	
Occupation		Machinists		Patternmakers		Laborers		Machinists		Patternmakers		Watchmen		Blacksmiths	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.50		$1.75		$1.25		$1.665		$2.00		$1.50		$2.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	17	100	1	100	9	100	75	100	3	100	1	100	1	100
	July	17	100	1	100	13	100	73	100	3	100	1	100	1	88
1861	Jan.	17	100	1	100	12	120	72	108	3	105	1	120	1	88
	July	17	100	1	100	10	120	72	120	3	105	1	120	1	88
1862	Jan.	17	100	1	100	16	120	65	132	3	113	1	120	1	88
	July	17	100	1	100	16	120	75	132	3	113	1	120	1	88
1863	Jan.	22	100	1	100	18	140	65	180	3	125	1	120	1	100
	July	22	113	1	100	14	140	60	180	3	150	1	120	1	100
1864	Jan.	25	120	1	114	14	140	54	165	3	150	1	120	1	100
	July	25	153	1	137	12	140	52	165	3	150	1	140	1	119
1865	Jan.	25	150	1	137	12	128	62	180	3	175	1	140	1	119
	July	25	150	1	137	10	140	59	180	3	175	1	160	1	119
1866	Jan.	26	157	1	143	14	160	91	180	4	175	1	160	1	119
	July	26	167	1	143	15	160	82	180	4	175	1	160	1	119
1867	Jan.	26	167	1	143	11	140	85	180	4	175	1	160	1	150
	July	26	167	1	143	10	140	74	180	4	175	1	160	1	150
1868	Jan.	26	167	1	143	9	140	87	180	5	175	1	160	1	150
	July	26	167	1	143	13	140	92	180	5	175	1	176	1	150
1869	Jan.	27	167	1	143	16	144	95	180	5	160	1	180	1	150
	July	15	167	1	157	14	140	104	180	6	160	1	180	1	150
1870	Jan.	26	167	1	163	13	140	102	180	6	150	1	180	1	150
	July	20	167	1	157	15	144	97	180	6	150	1	180	1	150
1871	Jan.	20	167	1	143	11	160	89	180	6	150	1	180	1	150
	July	17	167	1	171	12	144	105	180	7	150	1	180	1	150
1872	Jan.	17	167	1	171	12	144	109	180	7	150	1	180	1	150
	July	20	157	1	171	12	144	108	180	7	150	1	180	1	150
1873	Jan.	20	157	1	171	15	140	120	180	7	150	1	180	1	175
	July	20	157	1	171	17	140	124	195	8	163	1	180	1	175
1874	Jan.	20	157	1	171	16	140	123	180	7	150	1	180	1	175
	July	19	157	1	171	15	140	117	180	6	150	1	180	1	175
1875	Jan.	20	157	1	171	18	112	108	144	5	120	1	144	1	175
	July	18	157	1	171	17	108	112	144	5	125	1	160	1	175
1876	Jan.	17	150	1	171	12	108	115	144	5	125	1	160	1	175
	July	20	150	1	171	17	112	110	144	5	100	1	160	1	150
1877	Jan.	18	150	1	171	18	90	102	115	5	100	1	128	1	150
	July	18	150	1	171	20	90	89	115	5	100	1	140	1	150
1878	Jan.	18	150	1	143	25	90	85	115	4	113	1	140	1	150
	July	18	150	1	143	28	100	87	115	4	113	1	140	1	150
1879	Jan.	25	133	1	143	34	88	90	115	6	115	1	140	1	138
	July	25	133	1	143	35	92	93	115	7	119	1	140	1	138
1880	Jan.	43	133	1	129	36	92	88	130	7	118	1	120	1	138
	July	84	150	1	129	35	92	102	132	7	119	1	120	1	138

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Metals and Metallic Goods—(Con.)													
No. of estab.	61				62									
State	Mass.				N. H.									
Reference	1120		1123		1128		1131		1131		1133		1138	
Occupation	Laborers		Machinists		Woodworkers		Blacksmiths		Engineers		Laborers		Machinists	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.125		$1.635		$1.665		$1.50		$1.17		$1.14		$1.48	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	4	100	11	100	3	100	1	100	1	100	3	100	19	100
July	4	100	11	100	3	100	1	100	1	100	5	104	23	103
1861 Jan.	2	111	12	104	3	110	1	95	1	100	1	88	10	102
July	2	111	12	107	3	110	1	95	—	—	1	88	6	104
1862 Jan.	1	111	12	108	4	113	1	105	1	100	1	88	13	105
July	1	118	11	109	4	116	1	100	1	100	3	97	16	104
1863 Jan.	2	118	11	108	3	115	2	106	1	100	3	100	12	110
July	2	133	11	112	3	115	2	111	1	107	4	102	12	116
1864 Jan.	3	133	11	117	3	125	2	114	1	107	2	117	12	117
July	3	133	11	133	3	130	1	150	1	128	1	110	11	125
1865 Jan.	4	133	16	130	3	135	2	167	1	128	1	81	11	134
July	4	133	16	137	3	150	1	150	1	128	1	81	12	122
1866 Jan.	2	122	17	143	3	155	2	167	1	150	5	121	10	144
July	2	122	17	145	3	155	3	159	1	150	4	130	12	136
1867 Jan.	2	144	25	149	2	158	3	159	1	150	3	129	9	135
July	2	144	25	149	2	158	1	167	1	150	3	129	7	136
1868 Jan.	2	144	22	149	2	158	1	150	1	150	2	117	8	129
July	2	144	20	151	2	158	1	150	1	150	3	117	12	138
1869 Jan.	1	156	19	152	2	158	1	167	1	150	3	117	8	154
July	1	156	18	155	2	158	1	117	1	171	5	132	12	153
1870 Jan.	1	156	17	146	2	158	1	133	1	171	1	139	6	163
July	1	156	17	148	2	158	1	150	1	171	4	129	9	153
1871 Jan.	2	156	19	149	2	158	1	150	1	171	4	129	7	154
July	2	156	19	152	2	158	1	167	1	171	4	129	7	153
1872 Jan.	2	156	26	150	3	160	1	167	1	171	2	128	7	142
July	2	156	25	151	3	160	1	167	1	171	8	121	11	132
1873 Jan.	3	156	27	148	2	158	1	183	1	171	8	121	6	136
July	3	156	26	149	2	158	1	183	1	171	7	123	6	139
1874 Jan.	3	156	27	151	1	180	1	183	1	171	4	128	4	144
July	3	156	27	151	1	180	1	183	1	171	4	133	7	135
1875 Jan.	5	147	34	152	1	180	1	183	1	171	1	132	3	129
July	5	147	34	152	1	180	1	155	1	171	3	127	5	118
1876 Jan.	4	135	33	148	1	180	—	—	—	—	—	—	2	68
July	—	—	31	138	1	162	—	—	1	171	1	132	2	110
1877 Jan.	4	135	30	138	1	162	—	—	—	—	—	—	—	—
July	4	135	29	137	1	162	—	—	—	—	—	—	—	—
1878 Jan.	4	135	33	135	1	162	—	—	—	—	—	—	—	—
July	4	135	32	136	1	162	—	—	—	—	—	—	—	—
1879 Jan.	2	133	27	127	2	140	1	133	1	98	6	104	4	106
July	2	133	27	127	2	140	1	133	1	98	6	104	4	106
1880 Jan.	2	122	31	128	2	140	1	133	1	98	5	103	4	106
July	2	122	33	135	2	143	1	133	1	98	6	104	4	107

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		62				65						66			
State		N. H.				N. J.						New York			
Reference		1142		1144		1144		1165		1167		1169		1171	
Occupation		Machinists Apprentices		Pattern-makers		Wood-workers		Foremen Machinists		Machinists		Coremakers		Cupola-men	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$.485		$1.67		$1.375		$3.00[1]		$2.00[1]		$1.25		$1.055	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	1	100	2	100	—	—	—	—	1	100	3	100
	July	5	106	1	100	1	109	—	—	—	—	1	100	3	100
1861	Jan.	8	99	1	95	—	—	—	—	—	—	1	100	3	100
	July	5	124	1	95	—	—	—	—	—	—	1	100	2	103
1862	Jan.	5	134	—	—	1	91	—	—	—	—	1	100	2	103
	July	3	92	1	90	1	91	—	—	—	—	1	100	2	103
1863	Jan.	5	113	—	—	1	121	1	100	9	86	1	100	2	110
	July	3	108	1	90	1	133	1	100	7	91	1	100	2	110
1864	Jan.	5	114	1	120	1	109	1	100	12	94	1	100	2	114
	July	5	138	1	120	1	133	1	111	17	110	1	120	3	127
1865	Jan.	3	166	—	—	1	164	1	139	15	110	1	120	2	136
	July	4	170	1	120	—	—	1	139	17	113	1	120	2	136
1866	Jan.	10	156	1	150	1	158	1	139	17	120	1	120	3	134
	July	9	160	1	180	—	—	1	139	19	121	1	120	3	134
1867	Jan.	11	164	1	180	—	—	1	139	9	120	1	120	3	134
	July	8	161	1	180	—	—	1	139	8	119	1	133	3	153
1868	Jan.	6	168	1	180	—	—	1	139	6	119	1	133	3	153
	July	5	154	1	180	1	182	1	139	6	119	1	133	2	166
1869	Jan.	5	150	1	180	—	—	1	139	6	120	1	133	2	166
	July	7	148	1	180	—	—	1	139	6	120	1	133	2	166
1870	Jan.	7	138	1	180	—	—	1	139	6	120	1	133	2	166
	July	8	138	1	180	—	—	1	139	6	120	1	133	2	166
1871	Jan.	7	142	1	180	—	—	1	139	6	119	1	133	2	166
	July	7	139	1	180	—	—	1	139	13	120	1	133	2	166
1872	Jan.	7	141	1	180	—	—	1	139	14	119	1	133	2	166
	July	4	128	—	—	—	—	1	139	16	117	2	136	2	182
1873	Jan.	—	—	—	—	—	—	1	139	12	119	2	144	2	170
	July	1	128	—	—	—	—	1	139	11	121	2	144	2	182
1874	Jan.	2	128	—	—	—	—	1	139	11	122	2	144	2	182
	July	3	139	—	—	—	—	1	139	7	128	2	144	2	182
1875	Jan.	3	139	—	—	—	—	1	139	9	125	1	147	2	182
	July	3	149	—	—	—	—	1	167	10	125	—	—	2	182
1876	Jan.	—	—	—	—	—	—	1	167	9	125	—	—	2	162
	July	1	161	—	—	—	—	1	167	9	125	—	—	2	162
1877	Jan.	—	—	—	—	—	—	1	167	6	123	—	—	2	162
	July	—	—	—	—	—	—	1	167	6	123	—	—	2	162
1878	Jan.	—	—	—	—	—	—	1	167	6	123	—	—	2	162
	July	—	—	—	—	—	—	1	167	6	123	—	—	2	162
1879	Jan.	—	—	—	—	—	—	1	139	7	122	1	120	2	162
	July	—	—	—	—	—	—	1	139	7	122	1	120	3	147
1880	Jan.	—	—	—	—	—	—	1	139	7	123	1	120	4	146
	July	—	—	—	—	—	—	1	139	7	123	1	120	2	162

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[1] July 1859.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Metals and Metallic Goods—(Con.)													
No. of estab.	66										67			
State	New York										New York			
Reference	1172		1173		1175		1176		1177		1178		1180	
Occupation	Engineers		Laborers		Machinists		Teamsters		Watchmen		Blacksmiths		Blacksmiths' Helpers	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$1.00		$.835		$1.125		$1.00		$.855		$1.75		$.875	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	6	100	1	100	1	100	1	100	1	100	1	100
July	1	100	6	100	1	100	1	100	1	100	1	100	1	107
1861 Jan.	1	100	5	100	1	100	1	100	1	100	1	100	1	107
July	1	100	—	—	1	100	1	100	1	100	1	100	1	100
1862 Jan.	1	100	7	97	1	100	1	100	1	100	1	100	1	100
July	1	100	13	98	1	100	1	100	1	100	1	100	1	100
1863 Jan.	1	100	11	101	2	137	1	100	1	100	1	105	1	86
July	1	100	11	122	1	119	1	100	1	117	1	105	1	143
1864 Jan.	1	117	12	125	1	133	1	117	1	100	1	114	1	143
July	1	150	13	160	1	163	1	142	1	117	1	157	1	186
1865 Jan.	1	150	10	166	1	163	1	142	1	117	1	157	1	186
July	1	150	8	166	1	163	1	142	1	117	1	150	1	186
1866 Jan.	1	150	6	167	1	163	1	142	1	117	—	—	2	179
July	1	150	7	167	1	163	1	142	1	117	1	157	1	186
1867 Jan.	1	150	7	165	1	163	2	142	1	134	1	171	1	186
July	1	167	11	181	1	200	3	147	1	142	1	186	1	186
1868 Jan.	1	167	5	180	1	200	2	150	1	142	1	186	1	186
July	1	167	16	180	1	200	2	159	1	142	1	186	1	200
1869 Jan.	1	167	14	180	1	200	2	159	1	142	1	186	1	200
July	1	167	13	180	1	200	1	150	1	142	1	200	1	186
1870 Jan.	1	167	13	180	1	200	1	150	1	142	1	186	2	193
July	1	167	14	180	1	200	2	159	1	142	1	200	1	186
1871 Jan.	1	167	11	180	1	200	2	159	1	142	1	200	3	190
July	1	167	14	184	1	200	2	159	1	142	1	200	3	210
1872 Jan.	1	167	11	183	1	200	1	150	1	142	1	200	3	210
July	1	200	13	204	1	222	2	159	1	150	1	200	2	200
1873 Jan.	1	200	13	207	1	178	2	163	1	150	1	214	2	214
July	1	200	13	209	1	222	2	163	1	150	1	214	3	214
1874 Jan.	1	200	13	207	1	222	2	163	1	150	1	214	1	229
July	1	200	13	206	1	222	2	163	1	150	1	214	1	229
1875 Jan.	1	200	8	206	1	222	2	163	1	150	1	214	3	190
July	1	200	8	180	1	222	2	163	1	150	1	214	3	190
1876 Jan.	1	200	10	141	1	222	2	163	1	150	1	214	3	200
July	1	200	10	153	1	222	2	163	1	150	1	214	1	200
1877 Jan.	1	200	11	153	1	222	2	163	1	150	1	200	1	171
July	1	200	10	153	1	222	2	163	1	150	1	200	1	171
1878 Jan.	1	200	10	153	1	222	2	163	1	150	1	200	1	171
July	1	200	10	153	1	222	2	163	1	150	1	200	1	171
1879 Jan.	1	167	8	150	1	222	2	138	1	125	1	200	1	171
July	1	167	8	150	2	189	2	138	1	125	1	186	1	171
1880 Jan.	1	167	12	154	2	189	3	142	1	125	1	186	2	143
July	1	167	10	153	2	189	3	142	1	125	1	200	3	167

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		67													
State		New York													
Reference		1184		1189		1194		1198		1201		1203		1205	
Occupation		Laborers		Machinists		Machinists' Helpers		Moulders		Moulders' Apprentices		Moulders' Helpers		Pattern-makers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$.89		$1.59		$1.095		$1.66		$.675		$1.125		$1.50	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	8	100	7	100	7	100	7	100	4	100	3	100	3	100
	July	10	99	8	101	7	100	7	100	3	105	4	97	3	100
1861	Jan.	9	99	8	102	7	100	6	102	3	103	4	97	3	100
	July	7	97	6	100	5	91	6	100	1	93	3	101	3	94
1862	Jan.	7	97	6	96	4	95	4	100	1	111	4	98	3	94
	July	8	97	9	100	4	95	7	97	1	111	3	96	3	94
1863	Jan.	7	103	8	101	2	94	6	103	—	—	4	95	3	94
	July	10	133	12	106	2	105	6	111	—	—	4	108	3	103
1864	Jan.	9	134	13	115	2	126	7	119	—	—	3	108	3	106
	July	12	177	13	151	5	146	8	138	1	111	3	126	3	136
1865	Jan.	12	174	12	153	5	146	9	141	2	98	3	126	3	136
	July	11	169	12	153	4	148	8	145	1	86	3	130	3	136
1866	Jan.	12	170	14	153	5	139	9	142	1	111	3	144	4	135
	July	15	166	13	152	5	144	10	143	2	106	3	144	4	135
1867	Jan.	15	172	15	157	6	139	10	145	2	87	3	148	3	139
	July	16	167	11	157	5	137	11	163	1	74	4	136	3	150
1868	Jan.	12	172	9	164	5	146	8	168	2	74	2	117	3	150
	July	12	187	11	160	4	146	8	166	2	96	2	122	3	156
1869	Jan.	13	191	14	157	4	148	8	173	1	124	3	153	3	156
	July	11	192	11	151	3	148	8	175	1	174	3	153	3	156
1870	Jan.	16	192	15	157	4	143	8	173	1	100	3	153	3	156
	July	10	191	11	151	3	148	8	175	1	174	3	153	3	139
1871	Jan.	15	195	13	155	7	131	5	181	1	100	4	167	4	183
	July	15	191	15	160	6	137	7	168	1	148	3	178	4	183
1872	Jan.	13	193	16	159	4	143	5	169	1	148	2	156	4	183
	July	13	190	22	158	3	145	6	173	—	—	4	156	4	183
1873	Jan.	10	197	16	152	3	160	6	176	—	—	4	167	5	170
	July	13	192	14	163	3	168	6	171	1	74	4	178	6	175
1874	Jan.	10	199	16	164	5	146	8	164	1	74	1	178	5	170
	July	10	199	12	166	4	160	8	170	1	74	1	178	5	170
1875	Jan.	11	197	12	166	5	146	7	172	1	74	1	178	4	175
	July	10	197	10	164	5	146	7	172	1	99	1	178	4	175
1876	Jan.	11	192	10	159	5	146	7	172	1	99	1	178	4	175
	July	9	186	12	151	5	162	5	160	—	—	1	156	4	165
1877	Jan.	9	175	8	137	4	155	6	147	—	—	1	144	4	167
	July	8	178	9	135	5	147	7	147	—	—	1	144	3	172
1878	Jan.	9	175	7	135	4	145	8	148	—	—	1	144	3	172
	July	9	175	7	137	4	145	8	147	—	—	1	144	3	172
1879	Jan.	9	175	8	133	3	138	8	148	—	—	1	144	2	158
	July	8	163	9	128	4	125	7	134	—	—	1	138	4	138
1880	Jan.	11	154	11	130	4	128	9	135	—	—	1	138	6	136
	July	10	164	15	140	5	137	8	135	—	—	1	138	6	147

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		67				68									
State		New York				New York									
Reference		1207		1208		1210		1216		1221		1223		1226	
Occupation		Patternmakers' Apprentices		Watchmen		Blacksmiths		Boiler-makers		Boilerm'krs' Apprentices		Boilerm'krs' Helpers		Foremen Blacksmiths	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$.33[1]		$.81		$1.25		$1.21		$.375		$.84		$2.00[1]	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	—	—	1	100	1	100	3	100	1	100	12	100	—	—
	July	—	—	1	100	1	110	2	98	2	116	8	90	—	—
1861	Jan.	—	—	1	103	—	—	—	—	—	—	—	—	—	—
	July	1	100	—	—	—	—	5	132	2	133	4	119	1	100
1862	Jan.	1	100	—	—	1	100	7	127	3	133	9	109	1	100
	July	1	152	1	102	—	—	6	131	3	111	5	110	1	100
1863	Jan.	1	152	1	115	3	103	5	116	1	100	3	114	1	100
	July	—	—	1	115	5	114	14	137	2	105	5	89	1	125
1864	Jan.	—	—	1	115	5	120	17	152	1	112	10	98	1	175
	July	1	152	1	132	5	140	30	162	4	123	9	98	1	175
1865	Jan.	1	189	1	123	5	164	27	173	4	151	5	107	1	225
	July	1	189	1	123	5	164	21	174	3	156	3	124	1	225
1866	Jan.	1	227	1	132	6	155	18	174	—	—	4	108	—	—
	July	1	227	1	132	5	158	5	149	—	—	1	119	1	150
1867	Jan.	1	303	1	132	4	168	18	171	—	—	1	134	1	163
	July	1	152	1	132	5	158	17	184	—	—	1	134	1	163
1868	Jan.	1	152	1	132	3	150	16	170	3	197	3	124	1	163
	July	1	205	1	132	3	150	9	179	2	213	3	121	1	163
1869	Jan.	1	253	1	132	6	150	8	179	1	213	5	116	1	163
	July	1	303	1	132	6	151	19	175	—	—	4	118	1	163
1870	Jan.	1	253	1	132	8	148	24	182	1	213	3	134	1	163
	July	1	303	1	132	7	155	19	179	1	213	3	127	1	163
1871	Jan.	—	—	1	177	7	156	21	178	—	—	3	127	1	175
	July	1	152	1	177	6	155	31	179	—	—	3	127	1	175
1872	Jan.	1	154	1	177	6	161	32	182	—	—	7	124	1	190
	July	1	205	1	177	6	166	31	188	—	—	6	127	1	190
1873	Jan.	—	—	1	177	6	174	24	188	—	—	6	137	1	190
	July	—	—	1	177	6	175	21	186	—	—	6	123	1	200
1874	Jan.	—	—	1	177	3	159	18	179	—	—	2	95	1	200
	July	—	—	1	177	4	166	16	186	—	—	3	115	1	200
1875	Jan.	—	—	1	177	2	172	13	187	—	—	3	115	1	200
	July	—	—	1	177	3	157	16	174	—	—	2	95	1	200
1876	Jan.	—	—	1	177	1	144	16	161	—	—	3	119	1	200
	July	—	—	1	177	5	146	22	148	2	187	9	124	1	200
1877	Jan.	—	—	1	177	4	153	29	151	3	187	13	132	1	200
	July	—	—	1	177	4	151	26	154	3	187	14	140	1	200
1878	Jan.	—	—	1	177	4	149	25	153	5	176	13	137	1	200
	July	—	—	1	177	2	134	19	157	4	167	3	151	1	200
1879	Jan.	—	—	1	177	2	120	17	144	3	160	3	147	1	188
	July	—	—	1	177	3	127	16	142	3	151	3	151	1	188
1880	Jan.	1	102	1	177	2	130	25	146	4	173	4	143	1	188
	July	1	102	1	177	3	149	21	157	1	160	4	134	1	188

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[1] July, 1861.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Metals and Metallic Goods—(Con.)													
No. of estab.	68													
State	New York													
Reference	1227		1231		1237		1244		1250		1254		1258	
Occupation	Foremen Boilermakers		Machinists		Machinists' Apprentices		Moulders		Moulders' Apprentices		Moulders' Helpers		Pattern-makers	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$2.00[1]		$1.375		$.545		$1.315		$.50		$.72		$1.29	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	—	—	8	100	4	100	8	100	2	100	12	100	3	100
July	—	—	4	100	2	115	11	116	1	125	8	128	2	107
1861 Jan.	—	—	—	—	—	—	—	—	—	—	1	122	1	126
July	1	100	3	119	5	89	11	117	2	84	8	130	1	136
1862 Jan.	1	100	9	107	6	89	11	117	2	84	10	120	2	116
July	1	100	12	115	7	108	16	115	2	117	14	131	3	116
1863 Jan.	1	125	13	117	8	102	13	117	1	117	16	135	7	116
July	1	125	12	128	4	69	23	122	4	113	10	162	8	133
1864 Jan.	1	125	14	131	7	90	23	123	6	106	12	162	8	143
July	1	163	11	162	10	100	39	137	6	129	—	—	9	158
1865 Jan.	1	163	12	158	11	116	41	149	4	148	1	139	5	169
July	1	163	9	144	11	118	29	147	2	157	2	191	4	179
1866 Jan.	1	167	11	156	10	122	35	149	1	84	2	153	5	180
July	1	167	13	169	7	122	26	152	3	97	2	174	5	186
1867 Jan.	1	167	15	176	8	150	24	151	4	97	2	174	5	192
July	1	167	16	177	9	183	34	151	4	100	1	167	6	203
1868 Jan.	1	206	13	187	4	161	29	147	5	108	1	167	4	211
July	1	167	13	171	5	147	22	152	5	129	—	—	4	203
1869 Jan.	1	206	18	172	3	133	26	154	5	133	—	—	5	209
July	1	250	17	174	5	103	29	161	7	143	—	—	3	200
1870 Jan.	—	—	16	172	6	118	22	156	7	133	2	201	2	203
July	1	167	17	172	8	123	25	164	4	133	5	169	5	187
1871 Jan.	1	167	14	175	8	130	23	156	4	133	5	174	3	177
July	1	167	12	176	11	114	20	160	1	100	2	174	5	192
1872 Jan.	1	206	16	172	16	107	15	174	1	100	2	174	3	205
July	1	206	15	176	12	123	24	171	1	120	3	185	5	185
1873 Jan.	1	206	18	171	14	136	26	160	1	120	6	191	6	174
July	1	206	18	171	18	127	30	167	5	128	6	199	5	199
1874 Jan.	1	206	14	164	21	133	22	151	3	127	5	181	4	194
July	1	206	23	163	16	143	27	158	7	129	6	179	5	181
1875 Jan.	1	206	6	173	7	173	24	157	4	130	6	176	2	194
July	1	206	11	159	7	173	26	161	6	127	9	174	6	178
1876 Jan.	1	206	12	156	5	161	21	158	5	124	10	174	4	176
July	1	206	20	151	5	147	24	156	5	124	12	172	3	168
1877 Jan.	1	206	26	145	10	119	19	159	6	127	12	174	3	160
July	1	206	23	146	7	102	18	159	8	125	10	178	2	171
1878 Jan.	1	206	26	144	11	106	19	159	6	137	10	178	3	134
July	1	206	14	156	11	125	19	158	7	140	8	183	2	143
1879 Jan.	1	206	12	155	5	128	12	154	3	147	10	157	2	140
July	1	206	14	146	10	145	18	154	4	140	15	159	3	137
1880 Jan.	1	206	17	146	11	155	22	140	4	145	14	165	3	134
July	1	206	20	151	8	151	22	147	4	150	14	169	5	144

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[1] July 1861.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		69				70						71			
State		New York				New York						New York			
Reference		1267		1272		1275		1279		1284		1289		1293	
Occupation		Machinists		Machinists' Apprentices		Machinists' Helpers		Machinists		Blacksmiths		Blacksmiths' Helpers		Carpenters	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.49		$.855		$1.25		$1.90		$2.075		$1.15		$1.915	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	25	100	7	100	3	100	7	100	12	100	11	100	9	100
	July	17	96	9	74	4	92	8	98	12	100	11	100	9	100
1861	Jan.	18	99	13	86	5	98	4	99	10	100	13	100	8	101
	July	20	102	6	91	8	95	2	103	9	101	11	100	8	101
1862	Jan.	35	103	7	99	7	102	6	97	9	103	5	100	8	103
	July	22	115	4	95	5	92	5	102	9	104	13	104	8	103
1863	Jan.	15	115	5	89	2	80	4	104	9	113	5	120	8	108
	July	2	109	—	—	—	—	5	107	10	117	12	124	9	121
1864	Jan.	1	235	—	—	—	—	4	125	11	132	15	141	8	130
	July	63	154	12	83	7	98	4	144	11	160	17	174	6	135
1865	Jan.	65	157	12	85	7	98	5	155	17	155	18	172	6	136
	July	61	159	9	77	8	104	5	159	13	164	13	177	6	136
1866	Jan.	43	168	3	94	1	110	5	162	14	164	15	176	6	140
	July	54	172	8	81	3	110	5	169	13	167	15	176	6	145
1867	Jan.	50	174	7	78	2	100	4	178	15	168	14	177	6	150
	July	24	179	11	80	—	—	4	178	14	168	13	177	5	163
1868	Jan.	15	176	14	109	—	—	7	165	13	168	12	177	6	162
	July	27	173	11	106	—	—	8	163	12	167	12	177	5	162
1869	Jan.	13	176	9	113	3	100	6	167	12	168	11	177	5	162
	July	20	175	11	116	1	100	6	165	11	169	11	180	5	164
1870	Jan.	45	165	6	99	4	102	5	177	13	167	15	174	6	168
	July	40	167	8	89	4	102	4	182	13	168	15	177	6	168
1871	Jan.	34	167	6	71	3	102	4	168	14	168	11	174	6	170
	July	—	—	—	—	—	—	5	166	14	168	11	174	6	170
1872	Jan.	—	—	—	—	—	—	5	174	17	167	19	175	8	173
	July	—	—	—	—	—	—	5	174	15	169	18	173	7	172
1873	Jan.	25	153	1	99	—	—	5	176	15	163	19	173	5	171
	July	23	160	—	—	—	—	5	176	13	164	19	173	10	169
1874	Jan.	6	159	1	77	1	130	6	171	12	170	17	174	11	157
	July	—	—	—	—	—	—	6	171	11	168	17	174	9	157
1875	Jan.	—	—	—	—	—	—	7	167	14	168	16	162	8	157
	July	7	151	1	88	1	120	7	167	15	156	15	163	9	138
1876	Jan.	—	—	—	—	—	—	7	156	15	154	14	163	7	141
	July	12	150	3	63	2	116	6	158	14	138	14	141	10	132
1877	Jan.	7	146	3	73	6	107	7	158	13	138	12	141	9	133
	July	18	130	5	68	5	109	8	151	13	138	12	141	9	133
1878	Jan.	37	126	4	66	11	105	8	150	13	138	12	140	12	119
	July	14	133	3	58	6	103	7	150	12	138	11	140	12	119
1879	Jan.	36	128	6	87	12	95	8	151	14	131	13	132	8	116
	July	20	135	11	86	6	102	8	151	13	131	13	132	10	115
1880	Jan.	38	133	13	87	11	102	12	140	13	132	21	133	12	115
	July	43	142	12	93	16	106	11	154	17	132	19	134	11	125

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Metals and Metallic Goods—(Con.)													
No. of estab.	71										72			
State	New York										New York			
Reference	1297		1299		1300		1306		1311		1315		1318	
Occupation	Draughtsmen		Foremen Blacksmiths		Laborers		Moulders		Pattern-makers		Blacksmiths		Blacksmiths' Helpers	
Sex	Male		Male		Male		Male		Male		Male		Male	
Base wages	$2.165		$3.00		$1.00		$1.885		$1.96		$1.515		$.875	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	3	100	1	100	12	100	14	100	3	100	9	100	7	100
July	3	100	1	100	12	100	14	100	3	100	8	97	10	105
1861 Jan.	4	98	1	100	10	100	13	102	4	97	5	92	6	100
July	4	98	1	100	10	100	13	102	4	97	4	93	5	103
1862 Jan.	3	100	1	100	10	102	11	104	5	94	5	96	9	103
July	3	100	1	100	10	103	12	102	5	94	4	109	5	111
1863 Jan.	4	106	1	111	11	111	11	107	5	99	5	102	6	114
July	5	115	1	111	11	121	12	115	5	111	4	122	7	118
1864 Jan.	7	127	1	133	13	130	15	132	7	125	3	121	10	129
July	7	137	1	167	19	152	16	158	8	146	5	144	7	165
1865 Jan.	7	155	1	167	10	150	10	164	6	145	3	149	8	171
July	8	154	1	167	15	152	15	160	7	144	5	152	12	170
1866 Jan.	6	171	1	167	19	152	17	170	5	147	4	165	11	177
July	9	183	1	167	18	152	15	171	5	148	3	165	9	176
1867 Jan.	8	188	1	195	19	152	16	172	8	156	5	160	6	176
July	8	188	1	195	18	152	16	172	7	168	5	163	9	175
1868 Jan.	7	188	1	195	13	153	14	174	7	168	4	163	5	177
July	7	188	1	195	13	153	14	174	6	177	5	163	5	177
1869 Jan.	7	213	1	195	11	158	14	174	8	177	5	163	10	160
July	7	213	1	195	12	161	14	180	8	177	4	165	5	160
1870 Jan.	5	220	1	195	10	164	15	180	6	177	1	132	10	197
July	4	223	1	195	10	165	15	180	6	177	6	159	14	186
1871 Jan.	4	223	1	195	8	167	15	180	11	174	6	159	11	183
July	4	223	1	195	8	167	15	180	11	174	6	159	13	174
1872 Jan.	4	223	1	195	6	168	15	176	15	172	7	158	2	179
July	3	208	—	—	6	168	15	176	14	172	8	169	11	186
1873 Jan.	5	192	1	181	21	167	20	175	12	175	7	170	8	184
July	5	209	1	181	21	167	21	175	11	179	6	182	9	184
1874 Jan.	5	202	1	181	20	168	14	168	6	172	—	—	3	162
July	5	202	1	181	18	169	14	168	6	170	1	165	8	171
1875 Jan.	5	202	1	181	21	158	17	155	9	161	6	149	6	160
July	5	180	1	153	22	157	15	150	9	146	7	153	8	164
1876 Jan.	5	180	1	153	19	157	16	149	8	149	2	141	3	150
July	5	167	1	139	14	144	14	137	12	134	6	141	9	150
1877 Jan.	5	167	1	139	14	145	14	135	10	134	8	141	9	150
July	5	167	1	139	13	144	14	135	10	134	7	141	7	150
1878 Jan.	5	179	1	139	18	140	14	136	11	124	6	141	7	151
July	5	179	1	139	17	141	14	136	10	122	11	125	11	135
1879 Jan.	5	179	1	139	25	135	16	134	13	122	8	125	9	137
July	5	179	1	139	23	137	15	134	14	130	10	125	12	135
1880 Jan.	5	179	1	139	18	142	20	130	17	129	10	137	8	150
July	3	190	1	167	17	159	23	142	16	141	10	153	17	160

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		72												73	
State		N. Y.												Penn.	
Reference		1322		1325		1327		1331		1334		1337		1339	
Occupation		Carpenters		Carpenters' Helpers		Coal Wheelers		Machinists		Masons		Masons' Helpers		Blacksmiths	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.625[1]		$.815[1]		$.895		$1.375		$2.50		$.965		$1.89	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	—	—	—	—	11	100	3	100	1	100	5	100	3	100
	July	2	100	1	100	6	102	6	101	1	100	4	104	3	103
1861	Jan.	1	92	—	—	9	103	9	102	1	100	5	100	4	100
	July	1	92	—	—	5	109	7	108	1	100	5	100	3	103
1862	Jan.	—	—	—	—	10	104	6	103	2	87	4	89	2	108
	July	—	—	3	148	9	131	4	104	6	83	7	107	3	106
1863	Jan.	—	—	6	161	6	126	—	—	8	82	7	109	3	112
	July	1	123	9	171	10	148	—	—	3	87	5	114	2	126
1864	Jan.	1	135	6	202	16	164	—	—	3	92	7	121	2	139
	July	5	126	2	107	13	170	5	160	3	104	6	138	5	139
1865	Jan.	5	135	3	210	15	198	8	181	3	104	10	148	3	159
	July	4	134	4	215	—	—	4	166	4	96	5	149	3	153
1866	Jan.	7	134	4	211	15	197	6	174	4	109	4	149	4	152
	July	7	130	3	204	14	197	8	176	3	109	7	149	5	148
1867	Jan.	6	131	2	199	20	179	7	173	3	109	10	154	4	159
	July	7	148	1	169	15	194	7	178	3	109	7	149	4	163
1868	Jan.	8	149	—	—	17	177	4	182	3	109	8	149	4	163
	July	11	150	2	184	—	—	4	187	3	109	7	149	4	163
1869	Jan.	5	149	1	184	17	178	5	167	3	109	8	149	4	163
	July	6	154	1	184	17	180	6	173	3	98	7	154	4	163
1870	Jan.	—	—	—	—	21	191	—	—	1	117	2	165	5	161
	July	11	154	—	—	17	178	14	171	3	126	7	150	4	126
1871	Jan.	5	154	—	—	18	178	11	172	3	126	7	149	5	133
	July	6	154	—	—	19	189	12	175	3	136	7	149	5	133
1872	Jan.	7	154	—	—	20	177	10	176	3	126	8	149	4	138
	July	7	158	—	—	23	204	10	193	3	127	7	162	5	141
1873	Jan.	6	159	—	—	22	177	11	192	3	127	4	162	5	143
	July	9	157	1	184	18	206	7	200	4	115	11	161	5	143
1874	Jan.	5	145	—	—	16	177	8	175	3	110	8	149	7	147
	July	7	145	2	153	5	154	11	172	4	115	9	149	7	147
1875	Jan.	3	123	—	—	18	156	5	160	2	105	4	130	5	138
	July	5	137	2	169	10	165	9	167	4	117	8	142	5	138
1876	Jan.	1	162	10	196	19	142	5	156	2	105	7	130	4	124
	July	1	162	6	218	4	145	8	157	5	102	6	130	4	124
1877	Jan.	1	162	6	218	10	143	12	155	3	103	5	130	4	108
	July	1	162	4	234	7	144	8	154	3	103	7	130	5	110
1878	Jan.	1	162	4	234	13	142	7	153	2	105	10	130	4	101
	July	1	154	6	215	10	126	—	—	—	—	10	121	5	99
1879	Jan.	1	154	11	212	13	126	—	—	12	97	7	104	4	101
	July	1	154	14	202	17	127	4	112	10	97	7	104	4	101
1880	Jan.	1	169	12	215	19	156	19	153	10	100	17	126	4	101
	July	25	126	17	199	13	159	60	164	19	108	22	130	4	101

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[1] July, 1860.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		73												74	
State		Penn.												Penn.	
Reference		1341		1341		1342		1344		1346		1349		1351	
Occupation		Blacksmiths' Helpers		Coremakers		Laborers		Machinists		Moulders		Pattern-makers		Blacksmiths	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.00		$1.335		$1.00		$1.705		$1.635		$1.585		$2.20	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	2	100	1	100	13	100	12	100	5	100	4	100	2	100
	July	4	100	2	100	16	100	9	102	8	94	2	110	2	100
1861	Jan.	2	100	2	100	16	100	9	102	8	97	3	112	2	100
	July	3	100	3	100	17	100	8	103	9	98	3	112	2	91
1862	Jan.	3	100	4	100	20	100	11	103	9	96	3	112	2	91
	July	2	113	3	100	22	100	13	103	8	94	3	112	2	100
1863	Jan.	2	113	3	100	18	106	13	103	8	97	3	119	2	100
	July	2	121	4	112	21	114	13	112	7	101	3	126	2	114
1864	Jan.	3	125	4	125	20	123	13	116	5	112	3	152	2	114
	July	3	150	4	137	22	148	13	144	4	122	2	174	2	114
1865	Jan.	3	167	3	150	20	159	14	162	3	132	3	175	2	114
	July	2	167	4	150	24	159	8	159	4	132	3	175	2	114
1866	Jan.	3	167	5	150	18	159	8	173	4	153	5	173	3	114
	July	4	167	5	150	23	159	16	165	8	153	5	173	3	114
1867	Jan.	4	167	7	150	37	159	22	167	8	153	4	173	4	114
	July	4	167	7	150	40	155	24	168	10	153	6	163	3	114
1868	Jan.	4	167	6	150	47	154	25	168	11	153	6	163	3	114
	July	4	167	9	150	40	155	27	171	9	153	6	163	3	114
1869	Jan.	4	167	10	150	40	155	27	170	12	153	6	163	3	118
	July	4	167	12	150	42	155	19	171	10	153	6	163	3	118
1870	Jan.	4	167	10	150	44	154	19	171	12	153	6	163	4	118
	July	3	150	10	120	35	130	17	160	12	145	5	148	4	109
1871	Jan.	3	150	12	120	34	130	16	165	14	143	6	151	4	114
	July	3	150	13	120	37	130	16	163	17	143	6	151	4	114
1872	Jan.	3	150	12	105	25	130	14	166	16	150	3	160	6	118
	July	3	150	12	105	25	130	14	166	16	150	4	155	4	127
1873	Jan.	4	160	12	112	32	134	28	160	14	157	5	164	4	127
	July	5	160	12	112	34	134	28	160	15	157	5	164	3	127
1874	Jan.	5	170	12	120	31	140	31	160	13	155	3	173	4	114
	July	5	170	12	120	32	140	30	159	14	155	4	167	4	114
1875	Jan.	2	160	8	105	20	130	19	141	12	143	5	155	5	105
	July	2	160	8	105	22	130	20	141	12	143	5	155	6	105
1876	Jan.	3	140	6	105	20	130	22	128	10	130	5	136	5	95
	July	3	140	7	105	21	130	19	128	10	130	6	139	5	95
1877	Jan.	3	130	7	97	18	120	19	123	7	124	4	132	4	105
	July	3	130	5	97	17	120	19	123	9	124	4	132	3	91
1878	Jan.	3	130	7	97	28	120	17	114	11	124	4	126	4	91
	July	4	130	6	105	28	120	19	120	12	126	4	126	3	91
1879	Jan.	3	130	7	97	32	120	21	126	12	125	4	123	5	91
	July	3	130	7	97	29	120	22	125	12	125	4	123	6	91
1880	Jan.	4	120	8	97	35	120	22	124	15	140	5	135	7	91
	July	4	120	8	97	34	120	21	124	15	140	5	140	6	91

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Con.)													
No. of estab.		74													
State		Penn.													
Reference		1351		1352		1352		1353		1354		1355		1357	
Occupation		Blacksmiths' Helpers		Coremakers		Draughtsmen		Engineers		Laborers		Machinists		Millwrights	
Sex		Female		Male		Male		Male		Male		Male		Male	
Base wages		$1.40		$1.20		$2.50[1]		$2.40		$1.00		$1.65		$2.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	2	100	8	100	—	—	1	100	15	100	16	100	2	100
	July	3	107	8	100	2	100	1	100	15	110	17	101	2	100
1861	Jan.	3	107	10	100	2	100	1	100	15	110	15	101	2	100
	July	3	107	10	100	2	100	1	100	12	110	14	100	2	100
1862	Jan.	3	107	9	117	2	100	1	100	14	110	14	112	2	100
	July	3	107	8	117	2	100	1	100	13	120	16	112	2	100
1863	Jan.	3	114	10	117	2	100	1	100	14	140	16	112	2	100
	July	3	114	12	117	2	100	1	110	12	140	15	112	2	100
1864	Jan.	3	114	7	117	2	108	1	110	13	140	16	124	2	115
	July	3	121	7	125	2	108	1	125	15	140	16	124	2	125
1865	Jan.	3	121	7	142	2	108	1	125	17	150	16	138	2	150
	July	3	121	7	142	2	108	1	125	18	150	16	138	2	150
1866	Jan.	4	121	10	167	2	108	1	125	18	150	15	158	2	185
	July	4	121	8	167	2	108	1	125	18	150	14	157	2	185
1867	Jan.	2	121	8	167	2	108	1	125	17	150	15	164	2	185
	July	2	121	8	167	2	120	1	125	16	150	16	164	2	185
1868	Jan.	2	121	10	167	2	120	1	125	18	150	16	164	2	185
	July	2	121	10	167	2	120	1	125	18	150	18	163	2	185
1869	Jan.	2	114	8	167	2	120	1	125	20	150	16	159	2	165
	July	3	114	7	167	2	120	1	125	20	150	16	159	2	165
1870	Jan.	3	114	8	167	2	120	1	125	20	130	16	159	2	175
	July	3	107	8	167	2	120	1	110	23	130	16	145	2	175
1871	Jan.	3	107	8	167	2	120	1	110	40	130	17	145	2	175
	July	3	107	6	150	2	120	1	110	40	130	20	143	2	175
1872	Jan.	3	114	8	150	2	120	1	117	40	130	24	142	2	188
	July	4	118	8	150	2	120	1	125	30	130	19	158	2	175
1873	Jan.	3	118	9	150	2	120	1	125	28	130	22	157	2	175
	July	5	121	9	150	2	120	1	135	30	130	24	158	2	175
1874	Jan.	4	111	—	—	2	120	1	125	25	130	21	157	4	155
	July	4	107	—	—	2	120	1	125	20	130	20	158	4	155
1875	Jan.	6	100	—	—	2	120	1	110	28	130	20	141	3	140
	July	5	100	—	—	2	120	1	110	35	130	26	140	3	140
1876	Jan.	6	93	—	—	2	140	1	100	30	120	19	128	2	150
	July	6	93	—	—	2	140	1	100	40	120	24	128	3	150
1877	Jan.	7	93	—	—	2	140	1	110	42	120	25	130	3	150
	July	6	79	6	142	2	120	1	100	38	100	26	128	3	125
1878	Jan.	6	79	7	142	2	120	1	100	40	100	27	128	4	125
	July	4	79	5	142	2	120	1	100	35	100	27	126	2	125
1879	Jan.	4	79	8	142	2	120	1	100	38	100	20	128	2	125
	July	4	79	7	133	2	120	1	100	40	130	24	128	2	125
1880	Jan.	5	79	7	133	2	120	1	100	40	130	26	128	2	125
	July	5	93	10	150	2	152	1	110	45	120	27	137	2	125

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[1] July, 1860.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Metals and Metallic Goods—(Concluded)								Paper					
No. of estab.		74								75					
State		Penn.								Mass.					
Reference		1358		1359		1360		1361		1361		1362		1363	
Occupation		Moulders		Pattern-makers		Patternmk'rs' Helpers		Engineers		Finishers		Laborers		Machine Hands	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.70		$1.535		$1.30		$1.165		$1.25		$1.00		$1.335	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	12	100	3	100	2	100	2	100	1	100	22	100	2	100
	July	12	100	4	101	2	100	2	100	1	100	20	100	2	100
1861	Jan.	10	118	4	101	2	100	2	100	1	100	17	100	2	100
	July	8	118	4	101	2	100	2	100	1	100	16	100	2	100
1862	Jan.	10	118	4	107	2	100	2	100	1	87	15	80	2	100
	July	10	129	4	114	2	100	2	100	1	87	15	80	2	112
1863	Jan.	10	129	4	121	2	115	2	115	1	107	12	100	2	112
	July	6	147	4	127	2	115	2	115	1	107	12	100	2	112
1864	Jan.	6	147	4	130	2	115	2	115	1	107	12	100	2	125
	July	10	176	5	143	2	115	2	129	1	140	12	134	2	150
1865	Jan.	8	176	5	159	2	154	2	143	1	160	12	150	2	169
	July	8	176	5	159	2	154	2	143	1	160	12	167	2	169
1866	Jan.	10	176	4	176	3	123	2	143	1	200	10	150	2	187
	July	10	176	4	176	3	123	2	143	1	200	9	150	2	187
1867	Jan.	9	176	4	182	2	123	2	143	1	200	8	150	2	206
	July	9	153	4	182	3	123	2	158	1	200	9	150	2	206
1868	Jan.	10	153	4	182	3	123	2	158	1	240	7	150	2	206
	July	8	153	4	182	3	123	2	158	1	260	8	150	2	206
1869	Jan.	8	153	4	176	3	123	2	158	1	260	8	150	2	206
	July	8	153	4	176	3	123	2	172	1	240	8	150	2	206
1870	Jan.	8	153	4	186	4	115	2	172	1	240	8	150	2	206
	July	6	153	4	179	4	115	2	172	1	240	8	150	2	225
1871	Jan.	8	153	4	179	4	115	2	172	1	241	8	150	2	225
	July	10	176	4	176	4	115	2	172	1	274	8	150	2	225
1872	Jan.	10	176	5	185	6	115	2	172	1	189	8	150	2	225
	July	12	176	6	187	6	115	2	172	1	266	8	150	2	225
1873	Jan.	10	176	6	187	6	115	2	172	1	284	8	150	2	225
	July	10	176	5	186	8	131	2	172	1	272	8	150	2	225
1874	Jan.	—	—	4	139	5	123	2	172	1	226	8	150	2	225
	July	—	—	4	139	5	123	2	172	1	336	8	150	2	225
1875	Jan.	—	—	5	159	4	115	2	172	1	297	8	150	2	225
	July	—	—	6	159	4	115	2	172	1	329	8	150	2	225
1876	Jan.	—	—	5	141	3	115	2	172	1	403	8	150	2	225
	July	—	—	5	141	4	115	2	150	1	286	8	125	2	187
1877	Jan.	—	—	5	141	3	115	2	150	1	270	8	125	2	187
	July	10	129	5	130	3	100	2	129	1	193	8	125	2	169
1878	Jan.	10	129	6	130	3	100	2	129	1	168	8	125	2	169
	July	8	129	4	130	2	100	2	129	1	210	8	125	2	169
1879	Jan.	8	129	4	130	2	100	2	129	1	260	8	125	2	169
	July	10	129	5	130	3	100	2	129	1	172	8	125	2	169
1880	Jan.	12	129	5	130	3	100	2	129	1	212	10	125	2	169
	July	12	141	4	137	3	100	2	150	1	238	9	135	2	187

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Paper						Railroads							
No. of estab.		75						76							
State		Mass.						Mass.							
Reference		1363		1364		1364		1365		1366		1367		1370	
Occupation		Machine Hands' Helpers		Paper Cutters		Rag Sorters		Baggagemen		Brakemen, Freight		Brakemen, Passengers		Carpenters	
Sex		Male		Female		Female		Male		Male		Male		Male	
Base wages		$1.00		$.50		$.50		$1.915		$1.165		$1.25		$1.30	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	2	100	6	100	6	100	6	100	22	100	10	100	79	100
	July	2	100	6	100	8	100	6	100	6	100	12	100	—	—
1861	Jan.	2	100	6	100	9	100	6	100	14	100	18	100	—	—
	July	2	100	6	100	10	100	6	100	10	100	18	100	49	111
1862	Jan.	2	100	6	80	10	80	8	100	12	100	18	100	65	107
	July	2	117	6	80	10	80	10	100	12	100	18	100	24	87
1863	Jan.	2	117	6	100	12	100	4	100	13	100	12	100	29	98
	July	2	117	6	100	12	100	10	100	13	120	9	100	68	108
1864	Jan.	2	117	6	100	9	100	6	100	16	120	17	100	49	131
	July	2	150	6	117	10	117	10	100	9	120	6	100	27	118
1865	Jan.	2	150	6	117	10	117	10	110	10	120	12	100	58	170
	July	2	150	6	130	10	117	10	110	10	120	18	153	61	165
1866	Jan.	2	150	4	130	14	117	10	110	10	146	32	140	50	135
	July	2	150	4	150	14	130	3	110	16	146	18	153	54	156
1867	Jan.	2	150	4	150	14	130	6	110	22	146	18	153	40	191
	July	2	167	4	150	14	130	6	110	20	163	18	184	53	190
1868	Jan.	2	167	4	150	13	130	2	110	12	172	18	184	85	166
	July	2	167	4	150	14	130	10	110	11	172	18	184	86	182
1869	Jan.	2	150	4	150	14	130	4	110	19	172	24	160	37	169
	July	2	150	4	150	14	130	8	110	41	175	24	160	68	164
1870	Jan.	2	150	4	150	14	130	10	110	26	172	24	160	39	197
	July	2	150	4	150	14	130	10	110	26	172	24	160	44	133
1871	Jan.	2	150	4	150	14	130	10	110	13	172	7	180	136	187
	July	2	150	4	200	13	150	10	110	11	172	12	180	54	184
1872	Jan.	2	150	4	200	12	150	10	110	16	172	9	180	236	172
	July	2	150	4	200	12	150	10	110	15	172	11	180	213	179
1873	Jan.	2	150	4	200	12	150	16	110	18	172	16	180	4	212
	July	2	150	4	200	12	150	10	110	26	172	18	180	—	—
1874	Jan.	2	150	4	200	12	150	10	110	116	155	18	180	85	169
	July	2	150	4	200	12	150	12	110	20	172	16	180	74	165
1875	Jan.	2	150	4	200	12	150	12	110	9	172	10	180	73	175
	July	2	150	4	200	12	150	12	110	17	172	7	180	39	141
1876	Jan.	2	150	4	200	10	150	16	110	11	150	4	180	—	—
	July	2	140	4	150	10	150	8	110	26	150	12	180	27	152
1877	Jan.	2	140	4	150	10	150	16	110	14	142	12	144	67	143
	July	2	125	4	150	10	150	16	110	12	142	16	144	38	139
1878	Jan.	2	125	4	150	9	150	2	110	12	142	16	144	12	123
	July	2	125	4	200	10	150	22	110	16	142	16	144	29	133
1879	Jan.	2	125	4	200	9	150	9	110	42	142	20	144	13	152
	July	2	125	4	200	8	150	10	110	9	142	20	144	—	—
1880	Jan.	2	125	4	200	8	150	6	110	12	150	24	160	41	136
	July	2	135	4	200	8	150	4	110	17	150	26	160	79	142

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Railroads—(Con.)													
No. of estab.		76													
State		Mass.													
Reference		1374		1377		1378		1381		1382		1383		1386	
Occupation		Conductors, Freight		Conductors, Passenger		Engineers, Locomotive		Firemen, Locomotive		Foremen Masons		Masons		Painters	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.61		$3.195		$2.30		$1.145		$2.50		$2.00[1]		$1.425	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	20	100	16	100	56	100	42	100	1	100	—	—	11	100
	July	19	102	12	100	41	100	24	114	1	100	4	100	1	117
1861	Jan.	23	109	12	100	33	100	38	114	1	100	—	—	1	140
	July	22	108	12	100	46	100	22	114	1	100	7	91	—	—
1862	Jan.	23	111	10	100	46	100	22	114	1	100	—	—	—	—
	July	16	110	12	100	40	100	50	114	1	100	—	—	4	96
1863	Jan.	17	111	12	100	43	105	38	117	1	100	—	—	—	—
	July	17	113	22	100	47	105	56	117	1	100	8	113	8	105
1864	Jan.	30	110	22	100	43	106	36	117	1	100	3	125	—	—
	July	22	110	16	100	46	106	36	117	1	100	6	125	9	140
1865	Jan.	26	163	10	120	50	125	36	153	1	140	3	125	8	145
	July	17	165	13	120	56	130	42	153	1	140	5	140	6	142
1866	Jan.	21	172	12	120	46	130	40	153	1	160	16	105	6	160
	July	23	159	12	120	48	131	42	153	1	160	19	147	11	177
1867	Jan.	18	166	13	120	44	146	42	153	1	180	—	—	13	146
	July	18	166	22	120	80	147	61	160	1	180	4	163	14	152
1868	Jan.	23	166	21	120	47	144	36	153	1	190	13	130	14	151
	July	19	160	20	120	42	144	32	153	1	190	20	165	19	149
1869	Jan.	33	164	22	120	56	143	32	153	1	200	2	200	11	193
	July	28	160	24	120	47	164	36	175	1	200	6	200	17	161
1870	Jan.	36	157	26	120	69	165	36	175	1	200	—	—	6	197
	July	30	162	20	120	80	165	58	175	1	200	3	200	9	183
1871	Jan.	28	157	18	120	68	166	42	175	1	200	—	—	19	163
	July	34	152	10	120	78	166	40	180	1	200	28	190	17	179
1872	Jan.	40	152	26	120	54	167	62	175	1	200	10	195	45	169
	July	37	149	25	120	60	167	40	180	1	200	4	200	39	184
1873	Jan.	49	155	26	120	50	163	36	175	1	200	—	—	16	170
	July	38	152	20	120	50	163	72	175	1	200	5	200	9	154
1874	Jan.	30	157	30	120	50	163	80	166	1	180	—	—	24	176
	July	28	160	30	120	52	163	48	175	1	180	33	166	27	156
1875	Jan.	20	166	32	120	58	162	42	175	1	180	3	192	24	145
	July	24	164	11	120	54	163	42	175	1	180	—	—	27	159
1876	Jan.	26	160	18	108	54	163	52	157	1	160	—	—	—	—
	July	28	153	28	108	53	165	50	157	1	160	24	179	21	125
1877	Jan.	32	147	7	108	65	160	50	157	1	160	4	163	20	131
	July	33	147	19	108	60	149	44	157	1	160	6	175	23	135
1878	Jan.	24	146	22	108	70	149	82	141	1	160	—	—	18	127
	July	40	144	36	108	60	149	42	157	1	160	3	163	18	134
1879	Jan.	45	143	28	108	89	149	60	175	1	150	—	—	13	125
	July	38	141	28	108	76	149	72	175	1	150	12	134	12	128
1880	Jan.	34	157	28	108	83	163	72	175	1	160	2	150	19	127
	July	26	160	28	120	49	164	72	175	1	160	4	150	15	132

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[1] July, 1860.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Sidewalks										Spices			
No. of estab.		77										78			
State		N. Y.										Penn.			
Reference		1389		1390		1390		1391		1392		1394		1398	
Occupation		Sidewalk Layers		Sidewalk-Layers' Helpers		Stone-cutters		Teamsters		Grinders		Laborers		Packers	
Sex		Male		Male		Male		Male		Male		Male		Female	
Base wages		$2.00		$1.00		$2.00		$2.00		$1.00[1]		$1.05		$.12[2]	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	12	100	6	100	12	100	1	100	—	—	5	100	2	100
	July	15	100	7	100	15	100	1	100	—	—	5	100	2	100
1861	Jan.	10	100	5	100	10	100	1	100	1	100	9	101	5	100
	July	12	100	6	100	12	100	1	100	1	100	2	103	5	100
1862	Jan.	8	100	4	100	8	100	1	100	2	92	8	103	7	100
	July	9	100	4	100	8	100	1	100	1	84	10	106	15	100
1863	Jan.	6	113	4	125	6	113	1	100	1	84	9	112	15	100
	July	6	113	4	125	6	113	1	100	1	84	5	116	11	100
1864	Jan.	8	138	3	175	8	138	1	100	3	111	8	115	12	100
	July	8	138	4	175	8	138	1	100	2	142	5	149	12	100
1865	Jan.	7	175	3	250	7	175	1	100	1	134	5	152	11	100
	July	8	175	4	250	7	175	1	100	1	134	4	167	9	100
1866	Jan.	8	175	3	275	8	175	1	100	—	—	4	167	12	100
	July	8	188	4	275	8	188	1	100	—	—	4	167	12	100
1867	Jan.	—	—	—	—	—	—	—	—	—	—	2	151	1	100
	July	—	—	—	—	—	—	—	—	—	—	2	159	1	100
1868	Jan.	—	—	—	—	—	—	—	—	—	—	2	159	2	100
	July	—	—	—	—	—	—	—	—	—	—	2	159	2	100
1869	Jan.	—	—	—	—	—	—	—	—	—	—	9	145	7	100
	July	8	213	4	325	8	213	1	100	—	—	5	162	8	100
1870	Jan.	6	213	3	325	6	213	1	100	—	—	6	161	12	100
	July	8	213	4	325	8	213	1	100	—	—	6	161	11	100
1871	Jan.	5	213	3	325	5	213	1	100	—	—	4	167	10	83
	July	7	200	4	300	7	200	1	100	2	175	6	161	12	83
1872	Jan.	4	200	2	300	4	200	1	100	1	200	7	147	17	83
	July	6	200	3	300	6	200	1	100	1	200	6	151	10	83
1873	Jan.	5	200	3	300	5	200	1	100	2	192	12	152	15	83
	July	7	200	4	300	7	200	1	100	2	192	4	167	16	83
1874	Jan.	5	200	3	300	5	200	1	100	3	156	7	145	16	83
	July	7	200	4	225	7	200	1	100	3	195	6	156	12	83
1875	Jan.	6	175	3	225	6	175	1	100	3	195	6	159	11	83
	July	8	175	4	200	8	175	1	100	3	195	6	159	15	83
1876	Jan.	5	150	3	200	5	150	1	100	3	195	4	167	13	83
	July	7	150	4	200	7	150	1	100	3	195	4	167	11	83
1877	Jan.	6	150	4	200	6	150	1	100	3	195	5	149	2	83
	July	8	150	3	200	8	150	1	100	3	211	3	175	2	83
1878	Jan.	7	150	3	200	7	150	1	100	3	211	4	147	2	83
	July	8	150	3	200	8	150	1	100	3	184	4	139	2	83
1879	Jan.	4	150	2	200	4	150	1	100	2	184	4	147	21	83
	July	6	150	3	200	6	150	1	100	2	184	5	133	18	83
1880	Jan.	5	150	3	200	5	150	1	100	2	184	8	133	20	75
	July	6	150	3	200	6	150	1	100	1	167	5	140	20	75

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[1] January, 1861. [2] Per gross.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Spices—(Con.)		Stone											
No. of estab.		78		79				80				81			
State		Penn.		Conn.				Conn.				Md.			
Reference		1399		1401		1409		1415		1421		1426		1426	
Occupation		Teamsters		Foremen Quarrymen		Quarrymen		Foremen Quarrymen		Quarrymen		Carpenters		Carvers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.50		$1.435		$.80 and $1.18		$1.465 and $1.90		$.82 and $1.22		$1.375		$2.50	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	4	100	89	100	3	100	86	100	1	100	2	100
	July	1	100	2	98	267	100	4	100	117	100	1	100	2	100
1861	Jan.	—	—	2	113	50	113	4	126	109	149	1	100	1	100
	July	—	—	6	126	138	97	1	84	83	80	—	—	—	—
1862	Jan.	—	—	—	—	37	100	—	—	—	—	—	—	—	—
	July	—	—	3	120	140	91	2	79	80	87	—	—	—	—
1863	Jan.	—	—	3	137	26	100	—	—	5	110	1	121	—	—
	July	—	—	6	137	268	114	3	105	126	111	1	121	1	100
1864	Jan.	1	100	2	98	162	136	3	126	130	165	1	121	2	95
	July	1	122	5	140	213	135	7	114	162	130	2	115	2	125
1865	Jan.	1	122	5	142	143	159	6	133	81	152	1	121	2	130
	July	1	122	8	169	208	155	5	132	162	144	1	121	2	130
1866	Jan.	2	117	5	167	247	177	6	145	148	174	1	121	2	145
	July	2	117	9	178	300	158	6	138	195	156	1	121	2	140
1867	Jan.	—	—	5	157	637	182	7	154	170	177	1	121	2	140
	July	—	—	9	208	231	157	5	148	227	162	1	121	2	150
1868	Jan.	—	—	8	159	250	184	7	162	160	175	1	121	2	150
	July	—	—	8	210	247	165	6	157	204	185	1	121	2	150
1869	Jan.	4	111	12	184	337	204	7	181	176	191	1	121	2	160
	July	4	114	9	237	408	212	7	175	310	205	1	121	2	160
1870	Jan.	4	114	7	174	577	208	8	181	177	191	1	121	2	160
	July	4	114	2	228	288	209	7	173	256	203	1	121	2	160
1871	Jan.	4	117	8	166	382	198	6	172	173	178	1	121	2	160
	July	4	117	9	238	370	207	11	169	264	195	1	121	2	160
1872	Jan.	3	122	5	160	100	197	3	182	17	201	1	121	2	160
	July	3	122	8	247	418	207	9	181	286	201	1	121	2	160
1873	Jan.	2	111	6	166	265	184	10	171	183	182	1	121	2	160
	July	2	111	6	243	292	213	9	187	260	187	1	121	2	160
1874	Jan.	2	100	6	166	236	186	5	156	115	181	1	121	2	160
	July	2	111	6	216	216	184	5	168	217	173	1	121	2	160
1875	Jan.	2	111	—	—	199	160	—	—	—	—	1	121	2	160
	July	2	111	7	205	204	161	5	153	174	144	1	121	2	160
1876	Jan.	2	111	10	227	51	141	4	166	28	152	1	121	2	160
	July	2	111	9	195	241	139	1	137	185	126	1	121	2	160
1877	Jan.	2	111	7	176	210	124	2	171	172	152	1	109	2	130
	July	2	111	12	186	249	132	2	139	211	118	1	109	2	130
1878	Jan.	2	106	8	181	212	127	—	—	26	152	1	91	2	130
	July	2	106	10	187	254	131	7	139	192	123	1	91	2	130
1879	Jan.	2	106	9	163	214	124	3	159	113	122	1	91	1	130
	July	1	100	11	185	322	125	2	139	214	120	1	91	2	130
1880	Jan.	2	100	9	157	259	124	1	137	197	122	1	91	2	110
	July	3	111	11	191	334	134	4	139	233	127	1	91	2	110

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Stone—(Con.)													
No. of estab.		81													
State		Md.													
Reference		1427		1428		1430		1432		1435		1436		1436	
Occupation		Engineers		Laborers		Marble Cutters		Polishers		Rubbers		Teamsters		Watchmen	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.50		$1.125		$2.00		$1.15		$1.085		$1.125		$1.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	2	100	7	100	5	100	6	100	2	100	1	100
	July	1	100	2	100	7	113	5	100	4	101	2	100	1	100
1861	Jan.	—	—	2	100	6	104	4	98	4	101	—	—	1	100
	July	—	—	—	—	4	100	1	87	3	100	—	—	1	72
1862	Jan.	—	—	—	—	—	—	—	—	2	104	1	100	—	—
	July	—	—	—	—	—	—	—	—	1	92	1	89	—	—
1863	Jan.	1	89	2	89	—	—	2	87	5	92	1	89	1	100
	July	1	111	3	111	7	113	3	109	5	115	1	100	1	100
1864	Jan.	1	111	3	111	6	113	3	120	5	118	1	111	1	100
	July	1	145	2	141	8	145	3	140	10	151	1	133	1	125
1865	Jan.	1	145	3	148	9	163	4	149	9	154	1	148	1	125
	July	1	145	3	148	9	163	4	149	11	153	1	148	1	125
1866	Jan.	1	145	3	158	8	163	3	155	9	149	2	163	1	125
	July	1	145	3	158	8	163	3	155	9	150	2	163	1	125
1867	Jan.	1	145	4	152	8	163	4	153	7	152	2	156	1	125
	July	1	145	4	152	8	174	4	153	7	154	2	163	1	125
1868	Jan.	1	145	4	152	8	175	—	—	9	152	2	163	1	125
	July	1	145	4	152	9	175	4	153	10	152	2	148	1	125
1869	Jan.	1	145	4	152	9	175	5	142	9	152	1	148	1	125
	July	1	145	4	156	9	175	7	151	10	154	2	141	1	125
1870	Jan.	1	145	4	156	10	175	8	150	11	154	3	148	1	143
	July	1	145	4	156	10	175	8	153	11	154	3	148	1	143
1871	Jan.	1	145	4	156	11	175	9	152	10	154	3	148	1	143
	July	1	145	4	156	11	175	9	152	10	154	3	148	1	143
1872	Jan.	1	145	3	158	11	175	9	150	10	154	3	148	1	143
	July	1	145	3	158	11	175	9	150	10	154	3	148	1	143
1873	Jan.	1	145	3	158	11	173	10	148	12	154	3	148	1	143
	July	1	145	3	158	11	173	10	148	12	154	3	148	1	143
1874	Jan.	1	145	3	158	9	172	10	148	12	154	3	148	1	143
	July	1	145	3	158	9	172	10	151	12	154	3	148	1	143
1875	Jan.	1	145	4	152	11	172	10	151	12	154	3	144	1	143
	July	1	145	4	152	11	172	10	151	12	154	3	144	1	143
1876	Jan.	1	145	4	152	13	169	12	141	11	154	3	144	1	143
	July	1	145	4	152	13	168	12	141	11	154	3	144	1	143
1877	Jan.	1	145	3	143	11	142	6	138	10	138	3	133	1	129
	July	1	145	3	143	11	140	6	138	10	138	3	133	1	129
1878	Jan.	1	145	3	143	8	136	5	123	8	138	3	119	1	129
	July	1	145	3	143	8	136	6	135	10	138	3	133	1	129
1879	Jan.	1	145	3	131	8	136	9	113	11	115	3	111	1	107
	July	1	145	3	131	8	136	9	113	11	115	3	111	1	107
1880	Jan.	1	145	3	131	8	125	11	114	11	115	3	111	1	107
	July	1	145	3	131	8	125	11	114	11	115	3	111	1	107

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Stone—(Con.)												White Lead	
No. of estab.		82						83		84				85	
State		N. Y.						N. Y.		Penn.				Penn.	
Reference		1440		1443		1446		1448		1450		1451		1453	
Occupation		Marble Cutters		Marble Polishers		Marble Rubbers		Granite Cutters		Laborers		Stone Cutters		Engineers	
Sex		Male		Male		Male		Male		Male		Male		Male	
Base wages		$2.00		$1.315		$1.155		$2.25		$1.25		$1.50		$1.50	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	2	100	8	100	1	100	1	100	1	100	1	100
	July	8	102	2	100	14	99	1	100	1	100	3	117	1	100
1861	Jan.	6	87	3	92	12	95	2	83	1	100	2	100	1	100
	July	8	78	3	79	12	88	1	89	1	100	4	117	1	100
1862	Jan.	5	74	2	81	6	88	2	89	1	100	2	100	1	111
	July	6	86	3	83	9	88	2	83	1	100	6	117	1	111
1863	Jan.	4	88	3	89	10	98	2	89	1	100	2	133	1	111
	July	9	98	5	106	10	113	2	94	1	120	5	133	1	111
1864	Jan.	9	108	4	112	7	119	4	97	1	120	4	158	1	133
	July	9	131	5	156	11	160	6	133	1	120	8	179	1	133
1865	Jan.	9	136	7	156	7	166	6	133	1	120	3	206	1	117
	July	11	149	15	166	6	181	8	133	1	120	5	203	1	117
1866	Jan.	13	146	12	157	5	195	7	133	1	120	4	217	1	117
	July	21	148	9	153	7	200	7	157	1	120	7	217	1	117
1867	Jan.	16	152	15	146	8	200	7	157	1	120	4	217	1	117
	July	15	174	10	162	7	206	6	181	1	120	9	220	1	117
1868	Jan.	11	167	16	154	8	172	11	180	1	120	4	250	1	117
	July	14	173	7	171	6	222	14	190	1	120	5	250	1	133
1869	Jan.	13	182	6	166	5	204	2	205	1	120	4	250	1	133
	July	13	180	13	181	6	256	7	203	1	120	9	170	1	133
1870	Jan.	16	166	13	173	6	244	6	187	1	120	3	222	1	133
	July	12	155	14	159	5	238	5	187	1	120	7	229	1	133
1871	Jan.	15	156	14	161	5	238	4	190	1	120	5	227	1	133
	July	21	161	17	171	5	238	5	192	1	120	11	232	1	133
1872	Jan.	13	167	15	161	3	238	3	189	2	120	13	235	1	133
	July	2	158	10	167	3	245	5	187	2	140	23	251	1	133
1873	Jan.	20	173	20	166	4	232	4	189	2	140	15	251	1	133
	July	19	165	17	166	4	225	2	178	2	140	25	251	1	133
1874	Jan.	14	159	8	164	3	231	3	185	2	140	14	250	2	117
	July	15	158	20	164	6	227	4	183	2	140	28	251	2	117
1875	Jan.	14	155	11	169	6	227	4	183	5	140	20	250	2	117
	July	19	153	13	169	7	222	3	178	4	140	31	251	2	117
1876	Jan.	16	150	16	162	5	225	2	178	5	140	29	249	2	117
	July	11	147	7	152	4	200	1	178	5	140	19	230	1	117
1877	Jan.	11	144	8	145	7	179	3	133	1	140	12	219	1	117
	July	15	141	12	132	7	173	4	117	4	120	8	221	1	111
1878	Jan.	18	133	13	132	4	179	2	133	4	140	4	208	1	111
	July	14	125	8	124	4	162	5	131	5	144	4	208	1	111
1879	Jan.	12	125	5	125	4	162	3	118	1	160	6	172	1	111
	July	13	121	9	119	5	158	1	167	3	140	24	140	1	111
1880	Jan.	12	121	8	125	4	165	2	139	2	140	19	137	1	117
	July	17	122	10	133	6	166	11	111	3	140	26	168	1	117

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		White Lead						Woolen Goods							
No. of estab.		85						86							
State		Penn.						Conn.							
Reference		1457		1460		1463		1464		1466		1468		1469	
Occupation		Laborers		Laborers (Boys)		Watchmen		Card Cleaners		Card Tenders		Carpenters		Drawers-in	
Sex		Male		Male		Male		Male		Male		Male		Female	
Base wages		$1.12		$0.635		$1.145		$.69		$.60		$1.50		$.62	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	13	100	5	100	1	100	1	100	6	100	1	100	1	100
	July	15	100	5	105	1	100	2	100	4	104	1	100	2	89
1861	Jan.	16	101	3	105	1	100	1	112	5	107	—	—	—	—
	July	15	102	2	92	1	100	1	112	5	105	—	—	1	100
1862	Jan.	15	104	1	105	1	100	1	138	8	106	—	—	1	119
	July	14	104	1	105	1	100	1	100	8	101	—	—	1	119
1863	Jan.	9	112	1	92	1	125	4	103	4	108	1	108	1	119
	July	8	112	3	101	2	125	5	104	7	105	—	—	2	119
1864	Jan.	6	110	2	118	—	—	4	109	6	113	—	—	—	—
	July	4	143	1	105	1	150	5	112	6	99	1	108	1	134
1865	Jan.	1	156	2	98	1	150	2	154	7	143	2	108	1	202
	July	5	156	4	105	1	150	3	115	7	137	1	108	1	202
1866	Jan.	8	156	4	105	1	150	3	138	9	123	1	150	1	222
	July	6	156	3	96	1	150	6	121	6	130	1	150	—	—
1867	Jan.	5	156	2	118	1	150	7	123	3	130	—	—	1	242
	July	4	156	3	113	1	150	6	141	5	120	—	—	1	202
1868	Jan.	2	156	1	105	1	162	6	142	4	121	—	—	1	202
	July	3	149	2	131	1	175	6	153	6	113	—	—	1	202
1869	Jan.	1	179	2	131	1	175	7	149	4	120	—	—	1	202
	July	1	179	1	131	1	175	4	150	7	111	—	—	1	202
1870	Jan.	1	89	1	79	1	175	5	157	5	105	1	183	1	202
	July	2	89	1	79	1	175	4	150	7	107	1	183	1	202
1871	Jan.	2	100	—	—	1	175	4	150	7	114	1	183	2	202
	July	1	149	1	79	1	175	3	170	8	106	1	183	1	202
1872	Jan.	—	—	1	79	1	175	3	162	6	107	1	183	2	202
	July	2	112	2	105	1	175	3	169	9	100	1	192	—	—
1873	Jan.	2	134	4	118	1	175	5	144	6	106	1	192	—	—
	July	3	156	3	114	1	175	4	131	5	112	1	192	2	206
1874	Jan.	6	156	2	131	1	175	4	141	7	102	1	192	3	218
	July	6	156	2	131	1	175	2	141	8	109	1	192	3	198
1875	Jan.	4	156	1	131	1	175	6	147	9	100	1	192	3	170
	July	2	123	—	—	1	175	4	144	8	98	1	192	3	185
1876	Jan.	2	123	1	131	1	175	7	127	5	99	1	183	2	161
	July	2	123	3	131	1	175	7	133	7	101	1	183	2	194
1877	Jan.	3	134	1	131	1	150	7	127	6	101	1	183	1	202
	July	5	113	1	79	1	150	7	127	6	98	1	183	3	235
1878	Jan.	7	112	2	79	1	150	9	121	4	93	1	183	3	223
	July	8	112	2	92	1	150	6	131	6	98	1	183	3	244
1879	Jan.	11	110	2	105	1	150	7	127	6	98	1	183	1	239
	July	17	111	1	118	1	125	3	163	7	103	1	183	1	269
1880	Jan.	19	103	2	125	1	125	3	174	2	103	1	183	2	247
	July	13	106	—	—	1	150	4	166	4	103	1	183	2	311

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Woolen Goods—(Con.)													
No. of estab.	86													
State	Conn.													
Reference	1473		1476		1477		1480		1481		1481		1482	
Occupation	Fullers and Giggers		Handers-in		Loom Fixers		Overseers Carding Dept.		Overseers Dye-House		Overseers Finishing Dept.		Overseers Fulling and Gigging Dept.	
Sex	Male		Female		Male		Male		Male		Male		Male	
Base wages	$.84		$.50		$1.25[1]		$2.00		$1.80		$1.375		$1.375	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	4	100	1	100	—	—	1	100	1	100	1	100	1	100
July	8	88	—	—	—	—	1	100	1	100	1	100	1	109
1861 Jan.	3	107	—	—	—	—	1	125	1	100	1	100	1	109
July	6	93	1	60	1	100	1	125	1	100	1	100	1	109
1862 Jan.	10	94	1	60	1	100	1	88	1	83	1	100	1	109
July	8	95	1	60	3	93	1	125	1	83	1	109	1	109
1863 Jan.	3	107	1	60	2	110	1	150	1	83	1	218	1	109
July	12	86	2	60	3	113	1	150	1	83	1	218	1	95
1864 Jan.	9	87	—	—	2	125	1	150	1	125	1	218	1	84
July	3	149	1	90	2	176	1	150	1	128	1	218	1	98
1865 Jan.	6	168	1	96	2	192	1	180	1	167	1	262	1	145
July	6	151	1	120	2	160	1	190	1	167	1	262	1	120
1866 Jan.	9	152	1	90	1	160	1	190	1	167	1	262	1	120
July	10	154	—	—	2	150	1	190	1	167	1	262	1	120
1867 Jan.	11	158	—	—	3	153	1	175	1	167	1	262	1	120
July	11	158	2	80	3	153	1	175	1	167	1	262	1	120
1868 Jan.	9	148	2	80	3	141	1	158	1	181	1	236	—	—
July	11	147	2	80	3	147	1	163	1	208	1	236	—	—
1869 Jan.	11	147	2	80	3	147	1	163	1	208	1	236	—	—
July	12	147	2	80	4	140	1	163	1	208	1	236	—	—
1870 Jan.	11	146	2	80	4	145	1	175	1	208	1	182	1	200
July	12	146	2	80	4	145	1	175	1	208	1	182	1	200
1871 Jan.	13	142	2	80	4	145	1	175	1	222	1	182	1	200
July	14	145	2	80	3	139	1	200	1	222	1	182	1	200
1872 Jan.	14	147	2	80	4	142	1	200	1	222	1	182	1	200
July	14	148	2	80	5	138	1	200	1	222	1	182	1	200
1873 Jan.	14	148	2	80	4	144	1	200	1	222	1	200	1	200
July	13	154	2	80	4	144	1	200	1	222	1	200	1	200
1874 Jan.	13	152	3	80	4	165	1	163	1	111	1	200	1	200
July	9	156	3	80	4	162	1	175	1	125	1	291	1	200
1875 Jan.	13	148	3	80	4	163	1	175	1	139	1	164	1	200
July	12	149	3	80	3	164	1	175	1	139	1	164	1	200
1876 Jan.	10	135	2	80	2	160	1	163	1	139	1	164	1	164
July	13	136	2	80	3	160	1	175	1	153	1	164	1	164
1877 Jan.	12	137	3	80	3	160	1	175	1	153	1	164	1	164
July	14	136	3	80	5	164	1	175	1	167	1	164	1	164
1878 Jan.	11	139	3	80	4	155	1	175	1	167	1	164	1	182
July	12	139	3	80	4	170	1	163	1	167	1	218	1	182
1879 Jan.	13	138	3	80	4	148	1	163	1	167	1	218	1	182
July	12	140	1	80	3	160	1	175	1	167	1	218	1	182
1880 Jan.	8	134	2	80	3	160	1	150	1	167	1	218	1	182
July	7	139	2	80	3	156	1	163	1	181	1	218	1	182

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[1] July, 1861.

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Woolen Goods—(Con.)													
No. of estab.	86													
State	Conn.													
Reference	1483		1484		1487		1488		1490		1490		1491	
Occupation	Overseers Weaving Dept.		Second Hands		Shearers		Sorters		Speckers		Spinners Jack and Mule		Spoolers	
Sex	Male		Male		Male		Male		Female		Male		Female	
Base wages	$1.50		$.90		$.75[1]		$1.50		$.50		$1.05		$.65	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	2	100	—	—	1	100	1	100	12	100	2	100
July	1	100	2	100	—	—	1	100	2	100	10	101	3	92
1861 Jan.	1	100	2	98	1	100	1	100	—	—	9	100	2	114
July	1	117	2	98	—	—	1	100	4	100	7	110	2	114
1862 Jan.	1	117	2	106	1	100	1	100	2	100	10	95	4	102
July	1	117	1	100	4	117	3	122	—	—	13	106	2	114
1863 Jan.	1	117	2	119	4	107	1	120	2	108	11	124	3	128
July	1	117	2	98	2	103	1	142	6	108	12	117	4	103
1864 Jan.	1	133	2	107	2	133	2	150	—	—	15	129	7	102
July	1	173	2	111	3	149	2	150	4	132	14	129	8	106
1865 Jan.	1	177	2	144	2	187	1	157	2	140	11	160	6	82
July	1	175	2	158	3	193	1	160	—	—	15	170	5	128
1866 Jan.	1	200	2	150	4	183	1	167	1	126	13	171	6	117
July	1	200	2	189	5	160	1	160	2	166	12	184	3	123
1867 Jan.	1	200	2	189	4	187	1	167	3	184	11	184	3	140
July	1	200	2	159	3	193	2	200	1	250	11	150	3	143
1868 Jan.	1	183	2	153	3	160	3	140	1	250	10	130	5	138
July	1	200	2	167	3	167	4	135	1	250	10	153	3	131
1869 Jan.	1	200	2	167	3	172	3	130	1	250	10	175	5	138
July	1	200	2	174	3	165	4	146	1	270	11	163	5	138
1870 Jan.	1	200	2	181	3	179	4	146	1	270	11	162	4	129
July	1	200	2	181	3	179	3	150	1	270	10	170	5	92
1871 Jan.	1	200	2	181	3	175	4	146	1	270	8	177	6	129
July	1	200	2	186	3	179	4	144	1	270	7	177	6	120
1872 Jan.	1	200	2	186	3	179	4	146	1	270	7	176	4	117
July	1	200	2	186	4	195	5	145	1	270	2	150	4	106
1873 Jan.	1	200	2	186	3	200	5	143	1	200	2	150	5	143
July	1	200	2	186	3	200	5	138	1	224	3	148	4	135
1874 Jan.	1	200	2	186	3	183	4	146	—	—	8	137	5	102
July	1	200	2	172	3	189	6	142	—	—	4	163	7	140
1875 Jan.	1	200	2	181	5	165	5	149	—	—	1	143	9	138
July	1	200	2	181	5	175	7	144	—	—	3	160	8	138
1876 Jan.	1	200	2	147	5	169	4	143	—	—	2	151	7	108
July	1	200	2	144	5	169	6	120	—	—	3	136	7	122
1877 Jan.	1	200	1	139	5	172	6	131	—	—	3	137	9	120
July	1	200	1	139	5	172	4	139	—	—	3	154	8	131
1878 Jan.	1	200	2	147	7	166	4	136	—	—	2	145	7	98
July	1	200	2	147	7	166	4	136	—	—	3	138	9	106
1879 Jan.	1	200	1	139	7	166	6	127	—	—	2	131	8	100
July	1	200	1	139	7	167	3	141	—	—	1	143	9	98
1880 Jan.	1	200	2	144	6	167	3	142	3	176	1	143	9	97
July	1	200	2	153	6	167	3	141	3	188	1	143	9	103

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[1] January, 1861.

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry	Woolen Goods—(Con.)													
No. of estab.	86										87			
State	Conn.										Mass.			
Reference	1493		1494		1494		1497		1498		1498		1501	
Occupation	Watchmen		Weavers		Weavers		Yarn Carriers		Card Tenders		Card Tenders		Carders	
Sex	Male		Female		Male		Male		Female		Male		Male	
Base wages	$1.00		$.81		$.925		$.69		$.42		$.38		$.795	
	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860 Jan.	1	100	4	100	13	100	1	100	4	100	6	100	8	100
July	1	100	5	119	16	104	—	—	2	115	14	137	6	120
1861 Jan.	1	100	4	136	15	125	—	—	—	—	7	135	9	108
July	1	100	4	131	16	119	—	—	—	—	14	143	4	95
1862 Jan.	1	100	4	132	16	121	—	—	5	128	19	136	3	103
July	1	100	5	130	22	119	—	—	13	120	22	148	7	109
1863 Jan.	1	100	4	160	23	146	—	—	8	123	30	146	8	109
July	1	100	6	117	26	120	—	—	20	130	12	152	5	123
1864 Jan.	1	125	7	141	25	133	—	—	14	128	13	155	5	122
July	1	140	5	148	24	145	1	120	15	136	5	144	12	113
1865 Jan.	1	150	5	180	27	173	2	133	16	146	7	160	8	116
July	1	175	7	152	22	151	2	133	15	147	4	173	6	135
1866 Jan.	1	175	4	151	27	159	1	181	18	165	6	179	7	148
July	1	175	4	184	37	175	2	172	17	165	5	179	8	147
1867 Jan.	1	175	8	152	24	147	—	—	15	155	6	168	10	140
July	1	175	8	165	24	162	1	145	7	162	8	180	13	147
1868 Jan.	1	150	6	142	21	129	1	145	5	164	11	172	8	149
July	1	150	11	154	20	146	—	—	7	162	8	180	11	146
1869 Jan.	1	150	10	167	20	162	1	203	4	167	8	180	9	147
July	1	150	11	162	20	119	1	181	5	155	10	187	10	147
1870 Jan.	1	150	8	128	22	144	1	181	4	163	10	192	9	150
July	1	150	7	132	24	142	1	181	—	—	13	186	9	150
1871 Jan.	1	150	6	133	28	136	1	181	4	163	9	175	10	145
July	1	150	6	132	27	152	1	159	9	167	3	201	14	138
1872 Jan.	1	150	7	126	30	135	1	145	11	160	3	211	10	147
July	1	150	10	130	30	139	1	203	13	173	1	158	13	142
1873 Jan.	1	150	6	130	30	135	1	203	11	175	2	171	10	147
July	1	150	4	127	32	132	3	212	11	177	5	158	9	153
1874 Jan.	1	175	10	173	40	144	1	232	11	175	1	184	11	150
July	1	175	9	136	40	138	—	—	11	175	2	191	13	149
1875 Jan.	1	175	5	152	32	149	1	199	12	175	1	184	13	149
July	1	175	10	152	40	160	—	—	12	173	2	191	13	149
1876 Jan.	1	165	7	148	26	142	1	199	12	173	1	197	13	149
July	1	165	6	163	42	137	2	199	12	173	—	—	9	145
1877 Jan.	1	165	8	141	56	130	2	199	—	—	—	—	—	—
July	1	165	9	151	75	141	2	199	8	169	4	224	5	132
1878 Jan.	2	148	9	162	60	141	2	199	9	169	3	237	6	136
July	2	148	16	158	60	145	1	232	11	169	13	200	6	136
1879 Jan.	2	148	8	167	42	128	1	232	8	169	4	224	6	136
July	1	165	9	163	38	128	1	254	4	161	7	189	6	136
1880 Jan.	1	150	11	172	65	130	1	254	11	171	4	211	6	136
July	1	150	12	174	79	130	1	254	8	181	3	233	7	145

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Woolen Goods—(Con.)													
No. of estab.		87										88			
State		Mass.										R. I.			
Reference		1504		1506		1508		1508		1510		1514		1515	
Occupation		Dyehouse Hands		Loom Fixers		Overseers Carding Dept.		Overseers Dyehouse		Overseers Weaving Dept.		Alley Boys		Burlers	
Sex		Male		Male		Male		Male		Male		Male		Female	
Base wages		$.65		$1.25		$2.00		$2.00		$1.75		$.63		$.54	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	22	100	1	100	1	100	1	100	1	100	3	100	4	100
	July	16	94	1	100	1	100	1	75	1	100	3	100	5	100
1861	Jan.	16	101	1	100	1	115	1	75	1	100	3	100	5	100
	July	23	99	—	—	1	115	1	75	2	107	3	100	5	100
1862	Jan.	29	98	1	140	—	—	1	113	1	114	3	100	6	100
	July	29	102	1	140	1	115	1	113	1	114	3	79	6	100
1863	Jan.	19	119	3	122	1	115	2	119	1	114	3	79	7	100
	July	22	119	—	—	1	115	1	125	1	171	3	79	8	100
1864	Jan.	24	119	6	127	—	—	2	138	—	—	3	92	9	100
	July	18	132	5	148	2	138	1	150	1	171	3	92	10	107
1865	Jan.	12	155	13	164	2	138	1	150	1	171	3	100	14	107
	July	15	156	9	184	1	125	1	150	1	229	3	100	14	117
1866	Jan.	16	195	7	192	1	150	1	175	1	229	2	100	16	124
	July	15	195	7	192	1	150	1	175	1	229	3	113	16	131
1867	Jan.	12	167	6	190	1	150	1	175	1	229	4	113	16	131
	July	9	168	8	152	1	150	1	150	1	171	4	113	16	131
1868	Jan.	8	153	8	152	1	150	1	150	1	171	4	113	16	131
	July	8	173	8	152	1	150	1	150	1	171	4	113	16	139
1869	Jan.	9	168	8	148	1	150	1	150	1	171	4	113	16	148
	July	7	173	8	141	1	150	1	150	1	171	4	113	16	154
1870	Jan.	9	173	8	146	1	150	1	150	1	200	4	119	18	151
	July	8	173	8	146	1	150	1	150	1	200	5	117	18	151
1871	Jan.	9	173	9	162	1	150	1	175	1	171	5	117	19	151
	July	8	173	7	157	1	150	1	175	1	171	5	132	19	151
1872	Jan.	13	135	9	164	1	200	1	150	1	200	7	132	21	149
	July	9	175	8	156	1	250	1	150	1	200	8	129	21	149
1873	Jan.	8	178	11	161	1	200	1	150	1	200	8	133	20	150
	July	8	178	10	162	1	200	1	150	1	200	8	133	20	150
1874	Jan.	7	178	10	162	1	200	1	150	1	200	8	115	23	137
	July	8	178	9	164	1	200	1	150	1	200	7	133	23	148
1875	Jan.	7	176	9	164	1	200	1	150	1	200	6	133	22	148
	July	8	175	7	160	1	200	1	150	1	200	6	133	22	148
1876	Jan.	8	175	8	155	1	200	1	150	1	229	6	133	22	148
	July	8	175	8	158	1	200	1	150	1	229	6	122	22	144
1877	Jan.	—	—	—	—	—	—	—	—	—	—	6	122	22	144
	July	4	154	6	137	1	175	1	113	1	171	6	122	22	144
1878	Jan.	7	152	5	140	1	175	1	113	1	171	6	122	22	144
	July	7	152	6	140	1	175	1	113	1	171	6	122	22	144
1879	Jan.	6	154	6	140	1	175	1	113	1	186	6	122	22	144
	July	8	154	6	140	1	175	1	113	1	186	6	122	22	144
1880	Jan.	9	154	6	140	1	175	1	113	1	186	7	121	19	132
	July	10	171	15	145	1	175	1	125	1	200	7	121	19	132

TABLE 5—(CONTINUED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Woolen Goods—(Con.)													
No. of estab.		88													
State		Rhode Island													
Reference		1517		1518		1522		1523		1524		1525		1527	
Occupation		Card Feeders		Cleaners		Drawers-in		Dressers		Dyers		Filling Carriers		Filling Sorters	
Sex		Male		Male		Female		Male		Male		Male		Male	
Base wages		$.58		$.83		$1.00		$1.00		$1.10		$1.12		$1.21	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	5	100	2	100	1	100	2	100	1	100	1	100	1	100
	July	5	100	2	90	1	100	2	100	1	100	1	100	1	100
1861	Jan.	5	100	3	90	1	100	2	92	1	109	1	100	1	100
	July	5	100	3	90	1	100	2	92	1	114	1	100	1	100
1862	Jan.	5	100	4	90	1	104	2	92	1	114	1	112	1	103
	July	5	86	5	90	1	104	2	92	1	114	1	112	1	103
1863	Jan.	1	86	5	90	1	104	2	92	1	109	1	112	1	110
	July	1	86	5	90	1	104	2	92	1	114	1	112	1	110
1864	Jan.	1	122	4	100	1	104	2	92	1	114	1	112	1	110
	July	1	122	4	100	1	104	2	92	1	114	1	119	1	110
1865	Jan.	1	143	2	86	1	104	2	100	1	114	1	119	1	110
	July	1	143	2	86	1	104	2	117	1	114	1	127	1	110
1866	Jan.	1	152	2	88	—	—	2	125	1	114	1	127	1	114
	July	1	159	3	80	—	—	2	150	1	118	1	127	1	117
1867	Jan.	1	138	3	80	—	—	2	150	1	123	1	127	1	117
	July	1	138	3	80	—	—	2	150	1	127	1	127	1	110
1868	Jan.	1	138	3	80	—	—	3	150	1	132	1	119	1	110
	July	1	138	3	80	—	—	3	150	1	132	1	112	1	110
1869	Jan.	1	138	3	80	—	—	3	150	1	132	1	100	1	116
	July	1	138	3	80	—	—	4	175	1	127	1	96	1	120
1870	Jan.	3	143	12	121	—	—	4	175	1	121	3	95	2	124
	July	3	143	12	121	—	—	4	175	1	121	3	95	2	124
1871	Jan.	4	136	12	121	—	—	4	175	1	136	3	99	2	124
	July	4	136	12	121	—	—	4	175	1	136	3	99	2	124
1872	Jan.	2	143	12	127	—	—	4	175	1	136	3	99	2	124
	July	2	143	12	127	—	—	4	175	1	136	3	104	2	145
1873	Jan.	3	139	12	128	—	—	4	175	1	136	3	104	2	145
	July	3	146	12	128	—	—	4	175	1	136	3	104	2	165
1874	Jan.	3	123	12	111	—	—	4	150	1	115	3	88	2	140
	July	3	150	12	125	—	—	4	150	1	136	3	104	2	165
1875	Jan.	3	150	12	125	—	—	4	167	1	136	3	104	2	165
	July	3	150	12	125	—	—	4	167	1	136	3	104	2	165
1876	Jan.	3	150	12	125	—	—	4	167	1	136	3	104	2	165
	July	3	124	12	105	—	—	4	167	1	102	3	88	2	130
1877	Jan.	3	124	12	105	—	—	4	175	1	102	3	99	2	130
	July	3	124	12	107	—	—	4	175	1	102	3	99	2	130
1878	Jan.	3	124	12	108	—	—	4	175	1	121	3	99	2	130
	July	3	124	12	108	—	—	4	175	1	121	3	99	2	130
1879	Jan.	3	124	12	108	—	—	4	175	1	121	3	104	2	130
	July	3	124	12	108	—	—	4	175	1	121	3	104	2	130
1880	Jan.	3	124	9	115	—	—	2	150	1	116	2	134	3	113
	July	3	116	9	115	—	—	2	150	1	116	2	134	3	113

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Woolen Goods—(Con.)													
No. of estab.		88													
State		Rhode Island													
Reference		1527		1531		1532		1533		1534		1535		1536	
Occupation		Finishers		Fullers		Giggers		Handers-in		Laborers Dyehouse		Overseers Carding Dept.		Overseers Dyehouse	
Sex		Male		Male		Male		Female		Male		Male		Male	
Base wages		$.79		$1.17		$.79		$.46		$.96		$1.75		$1.67	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	2	100	1	100	2	100	2	100	2	100	1	100	1	100
	July	2	100	1	100	2	100	2	100	2	100	1	100	1	100
1861	Jan.	2	100	1	100	2	100	2	100	1	100	1	100	1	105
	July	2	100	1	100	2	95	2	100	1	100	1	100	1	105
1862	Jan.	2	100	1	100	2	95	2	100	1	100	1	100	1	105
	July	3	95	1	103	2	105	2	109	1	100	1	100	1	120
1863	Jan.	3	95	1	103	2	105	2	109	1	100	1	143	1	120
	July	3	95	1	107	2	105	2	109	1	96	1	143	1	120
1864	Jan.	3	116	1	107	2	127	2	109	1	96	1	157	1	120
	July	3	116	1	107	2	127	2	109	1	100	1	157	1	120
1865	Jan.	3	127	1	107	2	127	2	109	1	104	1	200	1	120
	July	3	127	1	114	2	127	2	109	2	104	1	200	1	120
1866	Jan.	3	127	1	114	2	142	2	109	3	104	1	200	1	120
	July	3	137	1	114	2	148	2	109	3	104	1	229	1	120
1867	Jan.	3	137	1	114	2	148	2	109	4	104	1	229	1	135
	July	3	137	1	114	2	148	2	109	3	104	1	229	1	135
1868	Jan.	3	137	1	114	2	148	2	109	4	104	1	229	1	135
	July	3	137	1	114	2	158	2	109	5	104	1	229	1	150
1869	Jan.	3	127	1	114	2	158	2	109	4	104	1	229	1	150
	July	3	127	1	114	3	158	2	109	5	104	1	229	1	180
1870	Jan.	5	127	1	128	4	158	2	109	4	96	1	257	1	150
	July	5	127	1	128	3	158	2	109	2	78	1	229	1	150
1871	Jan.	5	127	1	128	3	158	2	109	1	86	1	200	1	180
	July	5	127	1	128	3	158	2	109	1	86	1	200	1	150
1872	Jan.	6	123	1	128	3	158	2	109	1	86	1	200	1	150
	July	6	127	1	128	4	158	2	109	1	86	1	286	1	150
1873	Jan.	6	132	1	128	3	158	2	109	1	86	1	229	1	150
	July	6	132	1	128	4	158	2	109	1	86	1	229	1	150
1874	Jan.	6	112	1	109	3	135	2	109	1	86	1	194	1	150
	July	6	132	1	128	4	158	2	109	1	86	1	171	1	150
1875	Jan.	6	132	1	128	4	158	2	109	1	96	1	200	1	150
	July	6	132	1	128	4	158	2	109	1	96	1	229	1	150
1876	Jan.	6	122	1	128	3	158	2	109	1	96	1	180	1	150
	July	6	111	1	128	3	127	2	109	1	96	1	180	1	150
1877	Jan.	7	113	1	128	4	127	2	109	1	96	1	180	1	150
	July	7	118	1	128	4	127	2	109	1	96	1	180	1	150
1878	Jan.	7	131	1	128	3	127	2	109	1	96	1	180	1	150
	July	7	131	1	128	4	127	2	109	1	96	1	180	1	150
1879	Jan.	7	131	1	128	4	127	2	109	1	96	1	180	1	150
	July	7	131	1	128	3	127	2	109	1	96	1	180	1	150
1880	Jan.	5	124	1	128	3	131	4	125	5	115	1	229	1	225
	July	5	124	1	128	3	131	4	125	5	115	1	229	1	225

TABLE 5—(Continued).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Woolen Goods—(Con.)															
No. of estab.		88															
State		Rhode Island															
Reference		1537		1538		1539		1539		1541		1542		1544		1546	
Occupation		Overseers Finishing Dept.		Overseers Spinning Dept.		Overseers Weaving Dept.		Pickers		Pressmen		Scourers		Second Hands		Section Hands	
Sex		Male		Male		Male		Male		Male		Male		Male		Male	
Base wages		$1.50		$1.33		$1.33		$1.21		$1.00		$.83		$1.145		$1.00	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	1	100	1	100	1	100	1	100	1	100	3	100	2	100
	July	1	100	1	110	1	107	1	100	1	100	1	100	3	102	2	100
1861	Jan.	1	100	1	110	1	107	1	100	1	100	1	106	3	102	2	100
	July	1	100	1	113	1	107	1	100	1	100	1	106	3	103	2	100
1862	Jan.	1	100	1	113	1	107	1	100	1	100	1	106	3	104	2	100
	July	1	100	1	113	1	107	1	100	1	100	1	106	3	104	2	100
1863	Jan.	1	100	1	126	1	113	1	110	1	100	1	106	3	119	2	113
	July	1	100	1	126	1	113	1	110	1	100	1	111	3	119	2	113
1864	Jan.	1	111	1	150	1	126	1	117	1	104	1	111	3	132	2	100
	July	1	111	1	150	1	126	1	117	1	104	1	111	3	132	2	125
1865	Jan.	1	111	1	150	1	138	2	124	1	108	1	111	3	132	2	125
	July	1	111	1	150	1	138	2	124	1	117	1	111	3	132	2	125
1866	Jan.	1	111	1	150	1	150	2	124	1	117	1	111	3	132	2	133
	July	1	136	1	201	1	150	2	131	1	121	1	116	3	128	2	150
1867	Jan.	1	133	1	201	1	150	2	124	1	117	1	116	3	135	2	150
	July	1	133	1	150	1	150	2	124	1	117	1	120	3	131	2	150
1868	Jan.	1	133	1	150	1	150	2	124	1	117	1	120	3	128	2	150
	July	1	133	1	150	1	150	2	120	1	117	1	120	3	119	2	150
1869	Jan.	1	133	1	169	1	150	2	112	1	125	1	133	3	119	2	175
	July	1	150	1	188	1	169	2	112	1	125	1	139	3	120	2	200
1870	Jan.	1	150	1	207	1	169	5	103	1	125	1	151	3	119	6	192
	July	1	167	1	207	1	169	5	103	1	125	1	151	3	119	6	192
1871	Jan.	1	183	1	207	1	169	3	103	1	125	1	151	3	126	6	200
	July	1	200	1	207	1	177	3	103	1	125	1	151	3	126	6	200
1872	Jan.	1	217	1	207	1	177	3	103	1	125	1	151	3	133	6	200
	July	1	217	1	207	1	177	3	103	1	125	1	151	3	133	6	200
1873	Jan.	1	217	1	207	1	177	3	103	1	125	1	151	3	155	6	204
	July	1	217	1	207	1	177	3	103	1	125	1	151	3	155	6	204
1874	Jan.	1	183	1	176	1	177	3	88	1	107	1	135	3	135	6	174
	July	1	217	1	207	1	188	3	88	1	125	1	135	3	138	6	199
1875	Jan.	1	217	1	188	1	188	3	88	1	125	1	135	3	138	6	204
	July	1	217	1	207	1	207	3	88	1	125	1	135	3	138	6	204
1876	Jan.	1	217	1	207	1	207	3	88	1	125	1	135	3	138	6	204
	July	1	180	1	169	1	226	3	83	1	100	1	135	3	126	6	175
1877	Jan.	1	180	1	169	1	226	3	83	1	100	1	135	3	126	6	200
	July	1	167	1	169	1	226	3	83	1	100	1	135	3	126	6	200
1878	Jan.	1	167	1	169	1	188	3	83	1	100	1	135	3	126	6	200
	July	1	167	1	169	1	188	3	83	1	100	1	135	3	123	6	200
1879	Jan.	1	167	1	169	1	184	3	83	1	100	1	135	3	126	6	200
	July	1	167	1	169	1	184	3	92	1	110	2	136	4	130	5	200
1880	Jan.	1	150	1	207	1	178	3	92	1	115	2	136	4	130	5	200
	July	1	133	1	207	1	178										

TABLE 5—(CONCLUDED).

Relative rates of wages from Table XII of the "Aldrich Report."

Industry		Woolen Goods—(Concluded)															
No. of estab.		88															
State		Rhode Island															
Reference		1549		1550		1553		1554		1556		1557		1558		1558	
Occupation		Shearers		Spinners, Jack		Twisters		Washers		Sorters		Waste Watchmen		Weavers		Weavers	
Sex		Male		Male		Female		Male		Male		Male		Male		Female	
Base wages		$1.00		$.95		$.67		$.92		$.92		$1.05		$.94		$.70	
		No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages	No.	Rel. wages
1860	Jan.	1	100	7	100	1	100	2	100	1	100	1	100	10	100	12	100
	July	1	100	7	100	1	100	2	100	1	100	1	100	11	98	9	103
1861	Jan.	1	100	7	100	1	100	2	100	1	100	1	100	11	101	10	104
	July	1	100	7	100	1	100	2	109	1	100	1	100	10	102	11	107
1862	Jan.	1	100	7	100	1	100	3	109	1	100	1	100	7	104	13	117
	July	1	100	9	100	1	100	4	109	1	100	1	100	8	106	12	120
1863	Jan.	1	100	9	105	1	100	5	101	1	109	1	100	10	110	11	116
	July	1	100	9	105	1	100	5	111	1	109	1	100	10	105	10	127
1864	Jan.	1	104	9	125	1	106	4	127	1	109	1	100	10	106	12	130
	July	1	104	9	125	1	124	4	127	1	122	1	100	9	115	11	143
1865	Jan.	1	108	16	123	1	124	4	132	1	122	1	105	7	117	13	140
	July	1	117	16	123	1	124	4	132	1	136	1	105	10	119	9	147
1866	Jan.	1	117	19	126	1	137	4	136	1	136	1	114	6	126	20	151
	July	1	117	19	126	1	137	5	145	1	136	1	119	18	129	20	149
1867	Jan.	2	117	19	138	1	137	5	145	1	136	1	129	17	134	15	153
	July	2	117	19	138	1	137	5	145	1	136	1	129	13	130	20	150
1868	Jan.	2	117	19	134	1	137	5	136	1	136	1	129	12	135	23	156
	July	2	125	19	136	1	137	5	136	1	136	1	129	14	127	20	157
1869	Jan.	2	125	19	137	1	137	5	136	1	136	1	129	15	129	17	160
	July	3	125	19	142	1	149	5	136	1	136	1	133	15	128	17	157
1870	Jan.	3	125	19	141	8	149	5	136	1	136	1	133	26	135	16	164
	July	3	125	19	139	8	149	5	136	1	136	1	129	28	137	20	171
1871	Jan.	3	125	19	140	8	149	5	136	1	136	1	133	26	140	25	169
	July	3	125	19	138	8	149	5	136	1	136	1	129	30	141	27	170
1872	Jan.	3	125	19	139	8	149	5	136	1	136	1	129	33	143	26	174
	July	3	125	19	137	8	149	5	136	1	136	1	133	27	140	22	173
1873	Jan.	3	125	19	136	8	149	5	136	1	145	1	138	29	138	23	169
	July	3	125	19	138	8	149	5	136	1	145	1	138	30	144	22	171
1874	Jan.	3	107	19	139	8	127	5	116	1	123	1	138	33	143	23	174
	July	3	125	19	137	8	149	5	136	1	145	1	138	27	140	22	176
1875	Jan.	3	125	20	140	8	149	5	136	1	145	1	138	29	141	30	177
	July	3	125	20	136	8	149	5	136	1	145	1	133	30	144	31	174
1876	Jan.	3	125	20	135	8	149	5	136	1	145	1	133	33	140	32	179
	July	3	100	20	134	8	149	5	109	1	136	1	138	32	147	33	177
1877	Jan.	3	100	20	137	8	134	5	109	1	136	1	138	34	145	31	176
	July	3	100	20	138	8	132	5	109	1	136	1	138	35	144	28	180
1878	Jan.	3	100	20	136	8	131	5	109	1	136	1	138	36	146	30	183
	July	3	100	20	135	8	131	5	109	1	136	1	138	34	140	31	186
1879	Jan.	3	100	20	131	8	131	5	109	1	136	1	138	33	141	34	184
	July	3	100	20	133	8	131	5	109	1	147	1	138	32	139	35	181
1880	Jan.	3	110	10	131	8	123	6	122	1	136	1	138	34	140	32	177
	July	3	110	10	132	6	122	6	122	1	136	1	138	35	138	30	176

TABLE 6.

Relative wages from Weeks's Report in Volume XX of the Tenth Census: by years, 1860-1880.

NOTE.—The following table presents the 1,447 series of relative rates of wages from which the summary tables of Chapter IV, Section ii, were constructed. The series are arranged by establishments, the establishments by industries, and the industries alphabetically by titles. All the textile industries are grouped together under the letter T, and the wood-working industries under the letter W. This order is that of the source. To facilitate reference to the original data, the page of the census volume on which the returns for each establishment are given is indicated. The ''base wages'' are the rates prevailing in 1860, or, when data for 1860 are missing, in 1861. For further explanations see pp. 92, 175, 176.

TABLE 6.

Relative wages from Weeks's Report in Volume XX of the Tenth Census: by Years, 1860-1880.

	Agricultural Implements.					Boots and Shoes.									
	Ohio, Massillon, p. 9.					Indiana, Lafayette, p. 17.				Maryland, Baltimore, p. 19.					
	Blacksmith	Finisher	Laborer	Molder	Painter	Cutter Sole	Cutter Upper	Fitter	Overseer	Buttoner or Lacer	Cutter	Fitter	Overseer	Packer
Base wage	$1.50	$1.62	$0.90	$1.50	$1.50	$3.00	$4.00	$2.50	$66.67	$0.75	$1.50	$1.00	$60.00	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Month	Day
1860	—	—	—	—	—	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	125	100	100	100	100	100
1862	100	100	111	117	100	100	100	100	125	100	100	100	107	100
1863	117	115	122	133	117	100	100	100	125	100	117	125	107	100
1864	133	123	133	150	133	100	100	100	150	100	133	125	120	100
1865	140	123	139	150	133	100	100	100	150	100	133	125	120	100
1866	150	154	167	150	133	100	100	100	225	100	150	150	133	100
1867	150	154	167	150	133	92	94	100	225	100	150	150	133	100
1868	150	154	167	150	150	92	94	90	225	100	167	150	133	100
1869	150	139	167	150	150	92	94	90	225	100	167	150	167	100
1870	150	139	167	150	150	92	88	90	225	100	167	150	167	100
1871	150	130	167	179	150	83	88	90	225	100	167	150	167	100
1872	150	130	167	179	150	83	88	80	200	100	167	150	167	100
1873	150	130	167	179	150	83	88	80	150	100	167	150	167	100
1874	120	123	139	179	117	67	75	70	150	100	183	156	167	100
1875	113	117	139	179	107	67	75	70	163	100	183	156	167	100
1876	111	114	133	175	104	67	75	70	175	100	183	156	167	100
1877	111	114	133	175	104	67	75	70	188	100	183	156	167	100
1878	111	114	133	175	104	67	69	70	188	100	183	156	167	100
1879	111	114	133	175	104	67	75	70	188	100	183	156	167	100
1880	117	114	139	184	117	70	78	76	188	100	183	156	167	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Boots and Shoes—(Con.).								Breweries and Distilleries.				Brick Making.	
	P. 19—(Con.).	Massachusetts, p. 21.							Ohio, Columbus, p. 25.				Mo., St. Louis, p. 31.	
	Treer	Cutter	Edge-setter	Finisher	Fitter	Packer	Treer	Trimmer	Cellar-man	Laborer	Malster	Teamster	Boy	Carpenter
Base wage	$1.25	$1.33	$2.00	$1.17	$0.50	$1.50	$1.50	$2.00	$1.15	$0.76	$1.15	$0.96	$0.78¼	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	—	—	100	100	100	—	100	100	100	100	100	100
1861	100	100	100	100	100	100	133	100	100	100	100	100	—	100
1862	100	132	130	143	200	117	133	130	117	126	117	120	80	—
1863	120	132	125	143	200	133	167	125	133	151	133	140	111	—
1864	120	150	138	172	250	133	167	138	167	201	167	159	105	—
1865	120	150	163	172	250	167	183	163	200	228	200	180	168	233
1866	140	201	163	243	400	167	183	163	200	228	200	180	207	267
1867	140	201	200	243	400	167	200	200	200	228	200	180	208	200
1868	140	201	225	243	400	183	233	225	200	228	200	180	160	200
1869	140	226	225	300	534	183	233	225	200	228	200	159	176	192
1870	140	226	238	300	534	183	250	238	200	228	200	159	176	233
1871	140	201	225	257	534	183	300	225	183	201	183	159	176	200
1872	140	201	200	257	534	167	267	200	183	201	183	159	182	217
1873	140	201	175	257	534	150	233	175	167	201	167	159	144	192
1874	140	188	138	129	400	133	183	138	167	201	167	159	128	192
1875	140	188	113	129	400	133	167	125	167	201	167	159	128	175
1876	140	188	88	129	400	117	133	100	167	201	167	200	—	175
1877	140	188	75	107	350	117	200	150	167	201	167	200	105	120
1878	140	188	75	107	350	117	250	188	167	201	167	200	96	108
1879	140	188	113	114	300	117	250	188	200	228	183	200	102	107
1880	140	188	125	114	300	133	267	200	200	228	183	200	96	150

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Brick Making—(Con.).

	Page 31—(Con.).			St. Louis, p. 32.	New Jersey, Trenton, p. 33.									
	Engineer	Laborer	Molder, Brick	Common Laborer	Burner	Carrier	Molder	Off Bearer	Pit Filler	Presser	Setter	Sorter	Teamster	Wheeler
Base wage	$1.66	$1.00	$1.50	$1.25	$1.62	$0.75	$1.37½	$0.60	$1.25	$1.25	$1.62	$1.10	$1.00	$1.10
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	88	75	60	100	100	100	100	100	100	100	100	100	100
1862	—	113	133	60	100	100	100	100	100	100	100	100	100	100
1863	120	138	117	80	100	100	100	100	100	100	100	100	100	100
1864	196	175	199	120	100	100	100	100	100	100	100	100	100	100
1865	211	200	212	120	154	133	127	142	120	120	154	118	125	114
1866	301	200	218	140	185	133	164	167	160	140	170	136	150	136
1867	214	188	176	140	185	133	164	167	160	180	170	136	150	136
1868	158	175	192	160	216	167	218	167	180	240	185	159	150	159
1869	241	200	212	160	216	160	209	183	160	200	185	159	150	136
1870	289	200	212	140	216	160	191	200	160	200	185	159	175	159
1871	151	188	212	120	216	160	191	200	180	180	201	182	175	159
1872	241	188	167	120	216	153	191	200	180	200	201	182	175	159
1873	241	213	167	120	216	153	209	183	180	200	216	182	150	159
1874	211	163	167	100	216	153	209	183	180	200	216	182	150	159
1875	181	163	133	100	185	133	173	183	160	180	185	182	150	136
1876	166	175	133	80	185	133	155	167	140	180	170	159	150	127
1877	136	130	133	80	154	133	127	167	128	160	139	159	150	118
1878	166	130	133	80	154	133	115	167	128	140	139	159	125	118
1879	143	138	133	88	154	133	115	167	128	140	139	159	125	118
1880	181	150	133	112	154	133	115	167	128	140	139	159	125	118

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Brick Making—(Con.).

	P. 33—(Con.).	Pennsylvania, Philadelphia, p. 34.												
	Wheeler and Tosser	Burner	Carrier Off	Carter	Caver Up	Driver	Engineer	Foreman	Laborer	Molder	Off Bearer	Presser	Press Sorter	Setter
Base wage	$1.10	$2.00	$0.62	$1.00	$0.50	$1.00	$1.50	$1.92	$1.00	$1.37½	$0.75	$1.50	$1.50	$1.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	117	100	91	100	100	100	86
1862	100	100	100	100	100	100	117	117	100	91	100	83	100	86
1863	100	125	121	112	100	112	133	149	112	118	133	93	133	114
1864	100	138	121	125	124	125	150	156	125	136	133	100	133	129
1865	136	175	161	150	124	150	167	156	150	182	167	108	150	171
1866	159	200	161	150	124	150	167	167	150	200	167	150	200	186
1867	159	250	181	200	150	200	200	169	175	209	200	167	200	200
1868	205	250	202	200	150	200	217	200	175	236	200	200	200	229
1869	182	250	181	200	124	200	200	200	175	218	200	167	200	200
1870	182	250	202	200	100	175	217	200	200	218	200	217	233	200
1871	182	250	202	175	100	175	217	200	200	200	200	217	200	186
1872	182	225	202	175	100	175	217	200	175	200	200	200	200	186
1873	182	225	161	175	100	175	200	200	175	182	200	183	200	171
1874	182	200	161	175	100	175	200	200	175	164	200	167	183	143
1875	182	200	161	175	100	175	200	200	150	145	167	150	183	129
1876	159	175	161	150	100	150	183	200	150	145	167	133	183	129
1877	127	175	161	150	100	150	167	200	150	136	167	133	167	129
1878	123	175	161	150	100	150	167	200	125	127	167	117	167	114
1879	123	150	161	150	100	150	150	200	125	100	153	100	133	100
1880	123	175	161	150	100	150	167	200	150	136	173	117	150	129

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Brick Making.			Cigars and Tobacco.										
	P. 34—(Con.).			Wash., D.C., p. 41.	Missouri, St. Louis, p. 44.						New Jersey, p. 45.			
	Watchman	Wheeler	Wheeler and Tosser	Cigar Maker	Caser	Cutter	Laborer	Packer	Sorter	Stripper	Caser	Cutter	Laborer	Packer
Base wage	$1.00	$1.20	$1.12	$.08333	$2.66	$1.85	$1.00	$1.30	$2.66	$0.70	$1.00	$2.00	$0.70	$1.37
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	125	100	100	100	100	100	100	100	100	100	100
1862	112	104	112	142	150	127	130	142	150	143	100	100	100	100
1863	112	104	112	186	162	162	166	181	162	186	100	100	100	100
1864	125	104	112	196	188	178	185	192	188	186	100	100	129	100
1865	150	125	134	299	188	178	185	192	188	186	100	100	129	100
1866	150	167	156	289	216	178	185	192	216	186	100	100	160	100
1867	150	167	179	213	250	162	166	181	250	164	100	100	160	100
1868	150	167	223	200	250	162	166	181	250	164	100	100	179	100
1869	150	167	223	192	263	162	166	181	263	164	100	100	179	100
1870	150	167	223	265	263	162	166	181	263	164	100	100	194	109
1871	150	167	201	266	263	162	166	181	263	164	100	100	194	109
1872	150	146	201	265	250	151	160	173	250	157	100	100	214	109
1873	150	146	179	305	250	149	150	165	250	143	100	100	214	109
1874	150	146	179	217	250	144	150	165	250	143	100	100	214	109
1875	150	146	156	172	250	144	140	162	250	129	100	100	214	109
1876	150	146	156	162	250	144	140	162	250	129	100	100	214	109
1877	150	125	134	146	250	144	140	162	250	129	100	100	179	109
1878	125	125	112	160	250	144	140	162	250	129	100	100	179	109
1879	125	125	112	170	250	149	150	165	250	143	100	100	179	109
1880	125	125	134	171	250	154	160	173	250	157	100	100	179	109

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

	Cigars and Tobacco.					Clothing.								
P. 45—(Con.).			Wisconsin, p. 50.			Kentucky, p. 51.				New Jersey, Newark, p. 51.				
	Sorter	Stripper	Maker	Packer	Stripper	Cutter	Salesman	Tailor	Tailoress	Cutter	Man	Tailor	Tailoress	Woman
Base wage	$2.00	$1.00	$1.3333	$1.75	$0.25	$3.84	$2.56	$1.75	$1.1666	$2.00	$1.25	$1.25	$0.37½	$0.37½
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	—	—	—	—	—
1861	100	100	100	100	100	100	150	129	129	100	100	100	100	100
1862	100	100	125	114	120	125	150	129	129	125	100	100	100	100
1863	100	100	150	126	133	125	150	171	172	117	100	100	100	100
1864	125	100	175	143	133	125	150	171	172	138	100	100	100	100
1865	125	100	175	171	133	125	150	171	172	142	120	120	133	133
1866	150	100	162	152	133	125	150	157	157	167	130	130	167	167
1867	150	100	162	152	133	125	138	157	157	167	140	140	200	200
1868	150	100	175	162	133	125	138	157	157	167	140	140	200	200
1869	150	100	175	162	133	125	138	157	157	167	140	140	200	200
1870	150	100	150	171	167	125	138	157	157	167	140	140	200	200
1871	150	100	150	171	167	125	138	143	143	167	140	140	200	200
1872	150	100	150	171	167	125	138	143	143	167	140	140	200	200
1873	150	100	125	162	167	125	138	143	143	167	140	140	200	200
1874	150	100	125	162	167	125	138	143	143	167	130	130	167	167
1875	150	100	125	152	167	125	138	143	143	167	130	130	167	167
1876	125	100	125	152	167	125	138	143	143	167	130	130	167	167
1877	125	100	137	171	167	125	138	143	143	167	120	120	133	133
1878	125	100	137	171	167	125	138	143	143	125	120	120	133	133
1879	125	100	125	171	167	125	138	143	143	125	120	120	133	133
1880	125	100	131	176	184	125	138	143	143	117	120	120	133	133

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Clothing—(Con.).								Flour and Grist Mills.					
	New York, Syracuse, p. 52.								Delaware, Stanton, p. 58.			Illinois, Belleville, p. 59.		
	Apprentice	Cutter	Foreman	Machine Woman	Presser	Tailor	Tailoress	Trimmer	Assistant Miller	Miller	Packer	Assistant Miller	Engineer	Fireman
Base wage	$0.3333	$1.83	$80.00	$0.666	$1.00	$1.50	$0.6666	$0.6666	$1.73	$2.50	$1.73	$1.73	$1.54	$1.00
Year	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	—	—	—	100	100	100
1861	123	123	100	113	116	100	100	126	100	100	100	89	75	75
1862	123	146	125	126	133	111	126	126	100	100	100	100	100	100
1863	123	146	125	126	150	122	126	126	100	100	100	133	125	125
1864	149	160	150	126	150	122	126	150	100	100	100	166	162	175
1865	149	160	150	126	150	122	126	150	100	100	100	178	186	175
1866	149	160	150	126	133	122	126	150	100	100	100	200	249	200
1867	123	159	150	125	133	111	125	150	100	100	100	222	249	200
1868	123	146	150	112	133	111	125	150	100	100	100	222	249	200
1869	123	146	140	112	133	100	125	150	100	100	100	178	249	200
1870	100	146	140	112	116	100	125	174	100	100	100	178	249	200
1871	100	146	125	125	116	89	112	174	100	100	100	178	249	200
1872	100	146	125	125	100	89	112	174	100	100	100	178	249	200
1873	100	146	125	125	100	100	125	200	100	100	100	178	249	200
1874	100	146	125	125	116	100	125	200	100	100	100	178	225	175
1875	100	146	140	125	116	100	125	200	100	100	100	178	200	175
1876	100	150	140	150	116	100	125	225	100	100	100	178	200	150
1877	123	159	140	150	116	100	125	249	100	100	100	178	200	150
1878	123	164	150	150	133	111	125	249	100	100	100	178	200	135
1879	150	164	150	150	133	100	125	249	89	100	89	178	200	135
1880	150	164	150	150	133	100	125	249	89	100	89	178	200	135

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Flour and Grist Mills—(Con.)

P. 59—(Con.)	Ill. Bellville.				Indiana, Fort Wayne, p. 61.							Ind., Lafayette, p. 62.		
	Laborer	Miller	Packer	Teamster	Asst. Miller	Laborer	Miller	Millwright	Packer	Stone Dresser	Teamster	Asst. Miller	Laborer	Miller
Base wage	$1.00	$1.92	$1.00	$1.00	$1.75	$1.00	$2.50	$3.00	$1.25	$1.75	$1.25	$1.15	$.87½	$1.44
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	75	90	100	75	100	125	120	100	100	114	120	117	100	116
1862	100	100	125	100	114	125	120	100	104	114	120	117	100	116
1863	125	160	125	125	114	150	140	117	108	129	140	152	129	139
1864	150	200	200	150	114	150	140	117	116	129	140	217	153	174
1865	150	250	200	150	114	150	140	117	120	129	140	217	153	174
1866	150	300	200	175	114	125	120	100	88	129	140	181	181	174
1867	150	300	200	175	114	125	120	100	92	129	140	181	152	174
1868	150	300	200	175	114	125	120	100	88	129	140	196	167	174
1869	150	300	200	175	114	125	120	100	92	129	123	217	167	191
1870	150	300	200	175	110	154	128	100	100	129	123	199	167	191
1871	150	300	200	175	110	154	128	100	100	129	123	199	167	191
1872	150	300	200	150	110	154	128	100	96	129	108	163	167	174
1873	150	299	200	150	110	135	115	100	92	129	108	163	167	174
1874	140	250	175	150	101	135	102	100	100	129	108	170	167	162
1875	140	250	175	150	101	135	102	100	100	129	108	163	152	174
1876	125	250	150	125	101	135	102	100	104	129	108	163	143	174
1877	125	250	150	125	101	115	102	100	92	129	123	145	143	139
1878	125	200	135	125	101	115	92	100	80	129	123	159	114	139
1879	125	200	150	125	101	115	92	100	103	129	123	145	114	139
1880	125	200	150	125	101	115	92	100	100	129	123	174	114	139

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

	Flour and Grist Mills—(Con.).								Gas and Gas Coke				Flint Glass	
	P. 62—(Con.).			Iowa, De Soto, p. 64.					Ind., Ind'apolis, p. 76.		Mass., E. Boston, p. 77.		Mass., Cambridge, p. 81.	
	Millwright	Stone-dresser	Teamster	Assistant Miller	Laborer	Miller	Millwright	Teamster	Laborer	Stoker	Foreman	Laborer	Clay-Tramper	Cleaning-off Boy
Base wage	$3.00	$2.00	$1.15	$.60	$.55	$1.15	$1.50	$.60	$1.00	$1.00	$16.00	$14.00	$1.50	$.62
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Week	Week	Day	Day
1860	—	—	100	—	—	—	—	—	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	117	100	100	167	150	150	117	167	100	100	100	100	100	100
1863	117	113	130	167	178	250	133	167	150	150	100	100	100	100
1864	117	113	174	208	201	250	167	208	150	150	100	100	100	161
1865	117	125	174	200	218	235	167	200	175	200	100	100	100	161
1866	117	125	174	250	160	200	150	167	175	200	100	100	100	161
1867	117	125	174	333	182	191	133	167	175	200	100	100	100	161
1868	117	125	145	333	182	174	133	167	175	200	100	100	100	161
1869	117	125	145	317	164	174	117	150	175	200	100	100	100	161
1870	117	125	145	317	151	165	117	150	175	200	100	100	133	161
1871	117	125	145	167	145	152	117	150	175	200	100	100	133	161
1872	117	125	145	167	145	152	117	150	175	225	100	100	133	161
1873	117	125	145	167	136	130	100	167	175	225	100	100	133	161
1874	117	125	145	167	136	152	117	167	175	225	100	100	133	161
1875	108	125	159	167	175	167	133	133	175	225	100	100	133	161
1876	108	113	145	167	182	152	133	133	175	200	100	100	133	161
1877	108	100	145	167	150	134	100	133	100	180	100	100	133	161
1878	108	100	130	167	182	174	133	167	100	180	100	100	133	161
1879	108	100	130	167	160	200	133	167	125	180	100	100	133	161
1880	108	100	130	—	—	—	—	—	125	180	100	100	133	161

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Flint Glass—(Con.).

P. 81—(Con.). Mass., Cambridge—(Con.)

Base wage Year	Blower $3.00 Day	Carrying-in Boy $.62 Day	Cutter $2.00 Day	Driver $1.50 Day	Engineer $2.00 Day	Engraver $2.00 Day	Finisher $2.52 Day	Gatherer $1.00 Day	Laborer $1.50 Day	Machinist $2.00 Day	Manager $125.00 Month	Mixer $1.50 Day	Mold-holder $.62 Day	Mold-maker $2.00 Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	99	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	99	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	99	100	100	100	100	100	100	100
1864	100	161	138	117	125	138	119	200	117	138	120	133	161	138
1865	100	161	138	117	125	138	119	200	117	138	120	133	161	138
1866	100	161	138	117	125	138	119	200	117	138	120	133	161	138
1867	100	161	138	117	125	138	79	200	117	138	120	133	161	138
1868	100	161	138	117	125	138	79	200	117	138	120	133	161	138
1869	100	161	138	117	125	138	79	200	117	138	120	133	161	138
1870	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1871	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1872	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1873	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1874	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1875	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1876	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1877	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1878	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1879	133	161	138	133	125	138	139	250	133	125	120	117	161	150
1880	133	161	138	133	125	138	139	250	133	125	120	117	161	150

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Flint Glass—(Con.).

P. 81—(Con.) Mass., Cambridge—(Con.). | Pa. Pittsburg, p. 85.

	Packer	Potfiller	Potmaker	Presser	Sticker-up	Teaser	Carrying-in Boy	Clay Tramper	Cutter Foreman	Cutter Journeyman	Driver	Finisher	Gatherer	Laborer
Base wage	$1.50	$1.50	$2.00	$1.50	$.75	$1.50	$.60	$6.50	$21.00	$7.37	$7.00	$2.58	$1.12	$5.00
Year	Day	Day	Day	Day	Day	Day	Day	Week	Week	Week	Week	Day	Day	Week
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	108	100	105	100	131	136	120
1864	117	133	100	133	167	133	100	108	100	105	100	131	136	120
1865	117	133	100	133	167	133	100	108	100	105	100	131	136	120
1866	117	133	100	133	167	133	133	169	143	170	186	196	176	200
1867	117	133	100	133	167	133	117	169	143	170	186	184	158	200
1868	117	133	100	133	167	133	117	169	143	170	186	184	158	200
1869	117	133	100	133	167	133	117	169	143	170	186	184	158	200
1870	133	133	100	200	167	133	117	169	143	170	186	184	312	200
1871	133	133	100	200	167	133	117	169	143	170	186	184	312	200
1872	133	133	100	200	167	133	100	169	114	183	200	155	268	200
1873	133	133	100	200	167	133	100	169	110	176	200	155	246	200
1874	133	133	100	200	167	133	100	169	110	176	200	155	246	200
1875	133	133	100	200	167	133	100	169	110	176	200	155	246	200
1876	133	133	100	200	167	133	100	169	110	176	200	155	246	200
1877	133	133	100	200	167	133	100	169	110	176	200	155	246	200
1878	133	133	100	200	167	133	100	154	110	176	193	155	246	180
1879	133	133	100	200	167	133	100	154	110	176	193	155	246	180
1880	133	133	100	200	167	133	100	154	110	176	193	155	246	180

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Flint Glass—(Con.).

P. 85—(Con.). Pa., Pittsburg—(Con.) | Pa., p. 87. | Pennsylvania, p. 88.

	Mixer	Mold Maker Assistant	Packer	Potmaker	Presser	Sticker-up	Teaser	Blower	Cutter	Driver	Engineer	Furnaceman	Laborer	Leerman
Base wage	$6.50	$11.70	$6.25	$13.00	$2.62	$.90	$6.50	$2.00	$2.50	$1.00	$1.50	$1.50	$1.33	$1.10
Year	Week	Week	Week	Week	Day	Day	Week	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	—	100	—	100	100	100	100
1861	100	100	100	100	100	100	100	100	80	100	100	100	100	136
1862	100	100	100	100	100	100	100	109	80	133	111	117	100	155
1863	123	114	120	131	126	100	115	113	80	167	133	117	100	155
1864	123	114	120	131	126	100	115	175	80	200	133	117	100	159
1865	123	114	120	131	126	100	115	245	100	200	167	133	125	182
1866	215	194	232	146	193	178	262	245	100	200	178	150	125	182
1867	208	194	208	154	174	167	262	205	100	217	178	150	150	182
1868	208	194	208	154	174	167	262	108	133	217	200	167	125	194
1869	208	194	208	154	174	167	262	173	133	200	189	167	125	194
1870	208	120	208	154	164	167	262	176	133	200	189	167	125	194
1871	208	120	208	154	164	167	262	194	133	217	200	167	125	194
1872	231	150	208	169	164	156	269	160	133	217	200	183	125	182
1873	231	150	208	169	164	133	300	163	133	217	189	183	125	182
1874	231	150	208	169	164	133	300	151	133	217	189	183	125	182
1875	231	150	208	169	164	133	300	121	133	217	189	183	125	182
1876	231	150	208	169	164	133	300	152	100	200	178	193	112	182
1877	231	150	208	169	164	133	300	121	100	200	167	193	100	182
1878	200	115	176	154	164	133	263	126	100	200	167	200	100	182
1879	200	115	176	154	164	133	263	135	100	200	178	200	112	182
1880	200	115	176	154	164	133	263	177	100	200	178	200	112	182

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Flint Glass—(Con.).

P. 88—(Con.)	Pennsylvania.							W. V., Wheeling, p. 89.						
	Manager	Mixer	Mold-Cleaner	Mold-Maker	Packer	Potfiller	Teaser	Clay-Tramper	Driver	Engineer and Blacksmith	Laborer	Manager	Mixer	Mold-Maker Journeyman
Base wage	$76.00	$1.6666	$0.75	$3.00	$1.1667	$1.6666	$1.4286	$0.8375	$1.16	$1.75	$.8333	$120.00	$.9183	$2.08
Year	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	70	100	100	94	70	100	99	100	100	100	100	127	90
1862	100	70	100	100	94	70	100	89	86	76	90	100	109	96
1863	100	70	120	100	100	70	100	119	115	133	120	100	127	108
1864	100	70	120	100	100	70	100	159	158	152	160	100	145	163
1865	100	80	120	111	129	80	120	159	158	171	160	100	145	132
1866	158	80	120	111	129	80	120	159	158	171	160	100	154	130
1867	158	100	147	111	157	100	120	—	—	—	—	—	—	—
1868	158	100	147	111	200	100	120	—	—	—	—	—	—	—
1869	158	110	167	117	186	110	120	—	—	—	—	—	—	—
1870	158	120	200	117	171	120	120	—	—	—	—	—	—	—
1871	158	120	200	139	171	120	140	—	—	—	—	—	—	—
1872	158	120	200	139	171	120	140	179	151	171	180	125	163	132
1873	158	120	177	139	171	120	140	179	151	171	180	125	163	132
1874	158	120	177	139	171	120	160	159	155	143	160	125	152	120
1875	158	120	177	139	171	100	160	159	155	143	160	125	145	139
1876	158	100	177	111	157	100	160	159	155	143	150	125	145	139
1877	158	100	177	111	157	100	170	159	129	143	150	125	136	139
1878	158	100	177	111	157	100	170	149	121	143	140	125	127	135
1879	158	120	177	111	157	100	180	149	115	129	140	125	127	130
1880	158	120	177	111	157	100	180	169	129	129	150	125	145	149

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Flint Glass—(Con.). P. 89—(Con.).				Ice. Ill., Peoria, p. 108.									Iron Blast Furnace N. Y., p. 115.
	Packer	Potfiller	Potmaker	Teaser	Carpenter	Hook-Carrier	Laborer	Packer	Peddler	Plower	Sawyer	Spudder	Teamster	Blacksmith
Base wage	$1.12½	$.8333	$1.50	$1.00	$1.50	$1.00	$.75	$1.00	$1.25	$1.00	$1.00	$1.00	$.60	$1.37½
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	125	133	125	100	125	125	125	125	91
1862	89	90	83	100	117	125	133	125	100	125	125	125	125	100
1863	119	120	83	100	133	125	133	125	100	125	125	125	167	119
1864	148	160	122	200	200	150	167	150	120	150	150	125	167	145
1865	160	160	133	200	167	150	133	150	120	150	125	125	167	164
1866	148	169	144	200	183	175	167	150	140	175	150	150	208	182
1867	—	—	—	—	200	175	167	150	140	175	150	150	208	191
1868	—	—	—	—	200	175	167	150	140	175	150	150	208	191
1869	—	—	—	—	233	200	200	175	160	200	175	175	250	209
1870	—	—	—	—	233	175	167	150	140	175	150	150	208	200
1871	—	—	—	—	200	175	167	150	140	175	150	150	208	200
1872	133	180	167	200	183	175	167	150	140	175	150	150	208	218
1873	142	180	167	200	167	175	200	150	140	175	150	150	208	218
1874	142	168	133	185	167	200	200	175	140	200	175	150	208	200
1875	133	160	122	185	133	200	200	175	160	200	175	175	208	200
1876	133	160	133	185	133	175	200	175	160	200	175	175	208	178
1877	126	150	156	175	133	—	200	—	160	—	—	—	208	171
1878	119	140	139	165	100	150	133	125	160	150	125	125	125	145
1879	119	140	139	165	100	150	167	150	160	200	150	150	167	145
1880	126	160	167	200	117	200	200	175	160	250	175	175	208	—

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnace—(Con.).

P. 115—(Con.) New York. | Pennsylvania, Catasauqua, p. 116.

	Blacksmith's Helper	Blast Engineer	Bottom Filler	Carpenter	Cinder Man	Common Laborer	Founder	Keeper	Keeper's Helper	Manager	Blacksmith Boss	Bl'ks'm's Helper	Bl'ks'm' Journeyman	Blast Engineer
Base wage	$1.25	$15.00	$1.00	$1.25	$1.12½	$1.00	$1.50	$1.25	$1.12½	$125.00	$1.55	$0.80	$1.35	$7.91
Year	Day	Week	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Week
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	85	96	88	100	89	88	89	90	89	100	100	100	100	93
1862	90	100	94	100	95	94	94	95	95	100	97	125	93	106
1863	100	117	125	140	122	125	118	120	122	100	113	144	111	124
1864	130	167	175	160	167	163	142	160	167	100	145	200	130	164
1865	120	167	164	170	156	150	142	150	156	140	145	200	130	159
1866	140	125	164	200	156	150	144	150	156	140	145	200	137	177
1867	150	125	164	210	156	163	156	150	156	140	169	200	137	177
1868	150	125	164	210	156	163	156	150	156	200	177	213	148	177
1869	140	125	190	230	180	175	167	172	180	200	177	188	137	177
1870	128	125	175	230	167	160	167	160	167	200	145	200	141	177
1871	140	125	190	230	180	175	167	172	180	200	145	181	133	177
1872	140	142	190	230	180	175	167	172	180	200	194	200	133	204
1873	140	142	190	230	180	175	167	172	180	200	194	200	133	214
1874	120	142	165	211	158	150	167	152	158	200	161	156	111	160
1875	120	142	165	211	158	150	167	152	158	200	145	150	105	143
1876	96	131	135	186	131	120	149	128	131	200	135	144	85	243
1877	88	128	137	178	122	110	149	120	122	200	135	144	85	119
1878	88	83	125	160	122	110	149	120	122	200	135	144	85	119
1879	80	83	125	160	122	100	149	120	122	200	121	131	78	111
1880	—	—	—	—	—	—	—	—	—	—	145	156	93	131

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnaces—(Con.).

Pennsylvania, Catasauqua, p. 117.

	Boss Laborer	Boss Mason	Bottom Filler and Top Filler	Brakeman	Carpenter Boss	Carpenter Journeyman	Common Laborer	Engineer (L'm'tive)	Fireman	Foreman of Machine Shop	Founder	Keeper	Keeper's Helper	Machinist
Base wage	$2.00	$1.60	$1.43	$1.00	$1.75	$1.25	$0.80	$1.65	$1.12	$2.50	$2.25	$2.01	$1.69	$1.40
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	97	100	90	100	100	100	97	94	100	100	95	101	100
1862	100	97	104	100	106	108	113	106	98	100	100	102	103	104
1863	113	125	108	120	114	120	141	106	121	114	100	107	100	118
1864	125	172	154	160	129	160	181	121	156	130	133	135	137	150
1865	125	156	149	175	135	160	178	141	161	130	133	130	136	161
1866	138	172	148	185	143	168	191	145	170	127	133	129	135	143
1867	138	172	155	180	143	176	194	145	174	127	148	135	141	143
1868	150	219	160	180	143	160	184	145	174	127	148	140	148	161
1869	150	203	166	180	143	180	188	145	174	127	148	146	152	196
1870	150	188	166	180	143	180	181	145	174	124	172	146	152	196
1871	150	172	166	180	135	170	175	145	174	140	172	146	152	196
1872	150	172	188	190	143	176	181	158	179	160	172	165	172	214
1873	150	172	194	195	143	176	181	158	188	176	172	170	178	214
1874	113	141	127	158	126	152	156	126	147	160	172	111	112	169
1875	113	131	122	145	120	140	138	118	134	160	137	100	107	150
1876	113	125	110	135	114	128	125	127	134	160	137	90	96	143
1877	113	94	99	135	114	128	113	127	134	160	137	81	89	143
1878	113	78	99	125	114	128	113	127	134	160	137	81	89	143
1879	113	78	99	110	103	116	106	121	121	160	137	81	89	126
1880	—	—	109	110	114	128	125	—	—	—	137	89	98	—

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnace—(Con.).

	P. 117—(Con.).	Pennsylvania, p. 119.											Ohio, Youngstown, p. 122.	
	Mason	Blacksmith	Blacksmith's Helper	Blast Engineer Journeyman	Bottom Filler	Cinder Man	Common Laborer	Founder	Keeper	Keeper's Helper	Metal Weighman	Top Filler	Blacksmith	Blast Engineer
Base wage	$1.40	$1.25	$1.00	$8.04	$0.90	$1.50	$0.87½	$1.30	$1.15	$1.00	$0.90	$1.00	$1.50	$1.25
Year	Day	Day	Day	Week	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	96	86	88	100	111	117	100	103	100	100	100	113	100	100
1862	96	100	100	110	125	75	114	103	116	113	111	113	100	100
1863	125	146	114	139	151	86	130	175	150	143	127	143	110	120
1864	161	186	200	160	222	133	229	219	198	200	190	214	167	210
1865	161	203	200	187	222	133	171	296	192	207	199	207	292	210
1866	161	200	200	149	222	133	171	296	192	207	199	200	292	220
1867	169	180	164	164	230	133	171	296	192	207	199	207	192	220
1868	232	186	164	187	230	130	152	296	200	207	222	207	308	210
1869	214	186	164	192	230	155	152	296	233	241	259	202	308	210
1870	196	174	125	187	228	147	143	296	210	222	259	205	300	—
1871	169	174	100	187	228	148	154	321	210	220	259	212	300	—
1872	179	186	117	199	247	150	171	321	237	240	280	230	300	—
1873	179	200	150	199	247	155	171	296	254	222	280	230	300	—
1874	143	180	151	179	209	130	152	247	216	204	238	195	150	—
1875	129	93	112	137	144	80	128	278	125	130	134	119	167	—
1876	125	84	100	122	131	77	114	192	112	117	111	116	133	—
1877	100	90	100	131	137	71	114	192	117	123	129	106	120	—
1878	89	84	95	104	128	73	110	192	104	109	122	109	120	—
1879	89	92	95	120	129	80	110	212	122	130	131	120	120	—
1880	—	98	100	134	131	83	114	186	128	135	139	125	144	—

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnace—(Con.).

P. 122—(Con.).	Ohio, Youngstown.									Maryland, Baltimore, p. 128.				
	Bottom Filler and Top Filler	Carpenter	Cinder Man	Common Laborer	Founder	Keeper	Keeper's Helper	Manager	Metal Carrier	Blast Engineer	Coal Raker	Collier	Filler	Keeper
Base wage	$1.12½	$1.50	$1.00	$0.87½	$4.81	$1.50	$1.12½	$100.00	$1.00	$6.00	$0.85	$0.95	$0.96	$0.85
Year	Day	Day	Day	Day	Day	Day	Day	Month	Day	Week	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	—	—	—	—	—
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	—	—	—	—	—
1863	122	118	138	143	100	127	133	100	140	121	134	116	111	126
1864	222	175	238	229	100	192	222	100	250	150	155	133	131	146
1865	200	150	225	200	100	175	200	100	225	192	218	165	164	193
1866	188	167	212	200	100	167	188	100	225	—	—	—	—	—
1867	188	167	212	214	100	167	188	100	212	—	—	—	—	—
1868	169	167	190	185	100	150	169	100	200	—	—	—	—	—
1869	169	167	190	185	120	150	169	100	200	—	—	—	—	—
1870	169	167	175	185	120	150	169	100	263	175	201	149	148	176
1871	151	167	160	171	120	133	151	100	238	250	—	225	—	—
1872	185	167	188	200	120	158	185	250	275	217	176	—	164	185
1873	188	150	160	171	133	158	188	417	263	250	184	225	152	167
1874	147	150	150	154	133	123	147	417	185	208	—	149	133	—
1875	133	167	140	143	133	113	133	417	170	167	151	135	104	134
1876	120	133	125	129	133	100	120	417	150	200	167	165	119	151
1877	107	120	110	114	133	90	107	417	135	—	—	—	—	—
1878	107	100	110	114	133	90	107	417	150	—	—	—	—	—
1879	113	123	115	121	100	95	113	417	150	—	—	—	—	134
1880	133	133	—	143	133	117	133	417	195	183	151	—	104	151

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Iron Blast Furnaces—(Con.).

	P. 128—(Con.).		Mo., Pilot Knob, p. 129			N.Y., Amenia, p. 130.		Pa., Boiling Springs, p. 132.						
	Keeper's Helper	Manager	Filler	Keeper	Laborer	Filler	Founder	Blacksmith	Carpenter	Cartman	Coal-raker	Collier	Filler	Founder
Base wage	$.78	$32.00	$1.00[1]	$1.35[1]	$1.00[1]	$.87½[1]	$2.00[1]	$1.25	$1.25	$1.00	$1.00	$1.10	$1.10	$1.50
Year	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	—	—	—	—	—	—	100	100	100	100	100	100	100
1861	100	100	—	—	—	—	—	100	100	100	100	100	100	100
1862	—	—	—	—	--	86	103	100	100	100	100	100	100	100
1863	128	113	110	85	100	129	103	100	100	100	100	100	100	100
1864	146	139	120	93	115	137	103	100	100	100	100	100	100	100
1865	182	175	150	111	140	171	—	100	100	100	100	100	100	100
1866	—	—	140	148	140	—	—	100	100	100	100	100	100	100
1867	—	—	150	148	125	—	—	100	100	100	100	100	100	100
1868	—	—	175	148	150	171	133	100	100	100	100	100	100	100
1869	—	—	175	148	150	181	159	100	100	100	100	100	100	100
1870	—	237	175	148	150	183	167	100	100	100	100	91	100	117
1871	—	313	175	148	150	183	167	100	100	100	100	91	100	117
1872	164	375	150	148	125	217	198	100	100	100	100	91	100	117
1873	146	—	140	119	120	229	205	100	100	100	100	91	100	117
1874	—	—	125	107	110	218	167	100	100	100	100	91	100	117
1875	128	313	—	—	—	189	167	100	100	100	100	91	100	117
1876	146	—	—	—	—	—	—	100	100	100	100	91	100	117
1877	—	—	—	—	—	126	100	100	100	100	100	91	100	117
1878	—	—	—	—	—	114	100	100	100	100	100	91	100	117
1879	128	—	—	—	—	118	108	100	100	100	100	91	100	117
1880	146	—	—	—	—	139	156	100	100	100	100	91	91	—

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[1] 1859.

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

	Iron Blast Furnaces—(Con.).						Stove Founderies.							
P. 132—(Con.).	Pa., Boiling Springs.						Ill., Quincy, p.141.							
	Gutterman	Keeper	Keeper's Helper	Laborer	Ore-miner	Teamster	Blacksmith	Carpenter	Cleaner	Cupola-man	Engineer	Filer	Finisher	Foreman
Base wage	$1.10	$1.30	$1.10	$1.00	$1.00	$1.00	$1.50	$1.50	$1.25	$2.25	$1.75	$1.25	$1.25	$80.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	117	117	120	100	114	120	100	113
1862	100	100	100	100	100	100	117	133	120	111	114	140	120	113
1863	100	100	100	100	100	100	133	133	120	111	114	160	120	125
1864	100	100	100	100	100	100	133	150	140	111	129	180	140	125
1865	100	100	100	100	100	100	133	167	140	111	129	180	140	125
1866	100	100	100	100	100	100	133	167	140	111	129	180	140	125
1867	100	100	100	100	100	100	133	167	120	89	129	180	120	125
1868	100	100	100	100	100	100	117	150	120	89	114	180	120	125
1869	100	100	100	100	100	100	117	150	120	89	114	180	120	125
1870	91	77	91	100	100	100	100	167	120	89	114	160	120	125
1871	91	77	91	100	100	100	100	167	120	89	114	160	120	125
1872	91	77	91	100	100	100	100	167	120	89	129	160	120	125
1873	91	77	91	100	100	100	100	167	120	89	129	160	120	125
1874	91	77	91	100	100	100	100	150	100	89	114	160	120	156
1875	91	77	91	90	100	100	100	150	100	78	114	160	120	156
1876	91	77	91	90	100	100	100	150	100	78	114	160	120	156
1877	91	77	91	90	100	100	100	150	100	78	114	160	120	156
1878	91	77	91	90	100	100	100	167	120	89	114	160	120	156
1879	91	77	91	90	100	100	100	167	120	89	129	160	120	156
1880	91	77	91	90	100	90	100	167	120	89	129	160	120	156

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Stove Founderies—(Con.).

P. 141—(Con.). Illinois, Quincy. | Mass., Taunton, p. 143.

	Illinois, Quincy.										Mass., Taunton, p. 143.			
	Grinder	Laborer	Melter	Melter's Helper	Molder	Molder's Apprentice	Mounter	Pattern-dresser	Pattern-maker	Teamster	Carpenter	Cleaner	Engineer	Filer
Base wage	$1.25	$1.25	$2.00	$1.75	$3.00	$.50	$1.50	$1.50	$2.00	$1.25	$1.75	$1.50	$1.75	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	—	—	—	—
1861	100	100	113	100	117	200	117	117	113	100	100	100	100	100
1862	100	100	125	114	150	200	117	117	125	120	100	100	100	100
1863	100	120	125	114	158	200	133	117	138	120	86	83	86	83
1864	100	120	125	114	167	200	133	117	150	120	100	93	86	93
1865	100	120	125	114	167	200	150	100	150	140	114	100	129	100
1866	100	120	125	114	167	200	150	100	150	140	143	117	157	117
1867	100	120	100	114	150	200	150	100	150	140	143	117	157	117
1868	100	120	100	100	133	200	150	100	150	120	150	117	157	117
1869	100	120	100	100	125	200	150	100	137	120	150	117	157	117
1870	120	120	100	100	117	200	133	100	150	—	157	117	157	117
1871	120	120	100	100	117	200	133	117	150	—	157	117	157	117
1872	120	120	100	100	117	200	133	117	150	—	157	117	157	117
1873	120	120	100	100	117	200	133	117	150	—	157	117	157	117
1874	100	120	88	86	108	200	133	100	137	—	171	117	157	117
1875	100	100	88	86	108	200	133	100	137	—	181	117	157	117
1876	100	100	88	86	108	200	133	100	137	—	143	100	143	117
1877	100	100	88	86	108	200	133	100	137	—	129	89	100	100
1878	120	120	100	86	117	200	133	117	150	—	129	89	100	100
1879	120	120	100	86	117	200	133	117	150	—	86	89	100	89
1880	120	—	100	86	117	200	133	117	150	—	114	100	114	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Stove Founderies—(Con.).

P. 143—(Con.).			Mass., Taunton.						Mo., St. Louis, p. 144.					
	Finisher	Foreman	Grinder	Laborer	Melter	Melter's Helper	Molder	Mounter	Carpenter	Cleaner	Cupola-man	Engineer	Filer	Foreman
Base wage	$1.75	$66.6667	$1.50	$1.25	$3.00	$1.50	$2.50	$2.00	$2.3067	$1.50	$1.54	$2.88½	$2.00	$150.00
Year	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month
1860	—	—	—	—	—	—	—	—	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	110	100	100	133
1862	100	100	100	100	100	100	100	100	160	100	180	120	150	133
1863	86	100	83	80	67	83	80	75	160	100	180	120	150	133
1864	91	100	93	96	75	93	90	95	160	100	180	120	200	133
1865	114	113	100	120	92	100	110	113	147	100	180	120	200	133
1866	143	113	117	140	83	117	140	138	147	100	165	107	200	167
1867	143	150	117	140	83	117	140	138	147	100	165	107	225	167
1868	171	150	117	140	83	111	150	150	147	100	165	107	225	167
1869	171	150	117	130	83	111	150	150	147	100	165	107	225	167
1870	171	188	117	140	94	111	160	163	108	100	125	107	225	167
1871	157	195	117	140	94	117	150	150	108	100	125	107	225	167
1872	157	195	117	140	94	117	150	150	108	100	125	107	225	167
1873	157	195	117	130	92	117	150	150	108	100	125	107	225	167
1874	157	225	117	140	92	117	150	150	108	100	112	100	225	167
1875	157	225	117	140	92	117	150	150	115	100	112	100	200	167
1876	129	125	117	120	67	100	120	137	108	100	112	100	200	167
1877	129	125	100	106	63	89	110	125	108	100	112	100	200	167
1878	129	125	100	100	63	89	110	113	108	100	112	100	150	167
1879	107	100	89	100	75	89	100	100	108	100	112	100	150	167
1880	114	100	100	120	75	100	104	113	103	100	120	100	150	167

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Stove Founderies—(Con.).										Hardware, Cutlery and Edge Tools.			
P. 144—(Con.)	Mo., St. Louis.					Pa., Philadelphia, p. 148.					Connecticut, p. 157.			
	Laborer	Melter	Molder	Mounter	Teamster	Engineer	Finisher	Laborer	Molder	Molder's Apprentice	Blacksmith	Engineer	Foreman	Forger
Base wage	$1.50	$1.54	$2.00	$2.00	$2.50	$1.50	$1.1533	$1.08	$1.54½	$1.2467	$2.00	$2.00	$60.00	$2.12½
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	133	110	100	100	100	133	80	84	93	81	100	100	100	100
1862	133	180	100	100	100	133	101	81	128	81	113	113	125	118
1863	150	180	250	100	100	133	94	100	71	52	125	113	125	129
1864	150	180	250	100	100	133	207	121	128	90	138	113	125	141
1865	147	180	250	111	100	139	170	132	218	78	138	125	125	141
1866	—	165	200	113	77	156	188	136	184	85	150	125	125	153
1867	—	165	200	113	77	167	204	151	218	97	150	125	125	153
1868	—	165	200	113	77	139	213	158	238	102	150	113	125	153
1869	—	165	200	113	77	122	192	130	162	66	150	113	125	153
1870	141	125	193	103	77	130	187	177	214	75	150	113	125	153
1871	—	125	—	125	80	122	147	159	189	77	150	113	125	153
1872	—	125	—	125	80	154	149	152	228	75	150	113	125	153
1873	—	125	—	125	80	153	161	164	209	75	150	113	125	153
1874	—	112	—	125	77	178	173	142	169	78	138	113	125	141
1875	143	112	166	113	77	140	133	98	190	81	138	113	125	141
1876	—	112	—	125	77	134	135	154	156	86	138	113	125	141
1877	—	112	—	125	77	126	153	127	176	92	138	113	125	141
1878	—	112	—	125	77	126	157	138	173	89	138	113	125	141
1879	—	112	—	125	77	126	166	129	185	85	138	113	125	141
1880	106	120	130	110	77	121	170	118	200	74	150	113	125	153

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Hardware, Cutlery and Edge Tools—(Con.).

	P. 157—(Con.).		Connecticut.					Connecticut, p. 159.					Mass., Chicopee, p. 159.	
	Grinder	Helper	Laborer	Machinist	Packer	Polisher	Temperer	Blacksmith	Foreman	Galvinizer	Grinder	Packer	Blacksmith	Foreman
Base wage	$1.75	$1.50	$1.00	$2.00	$1.50	$1.75	$1.50	$1.50	$65.00	$1.25	$1.00	$2.00	$2.00	$71.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Month
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	107	100	112	100	113	100	109
1862	114	117	125	113	117	114	117	107	100	112	100	113	100	109
1863	129	117	125	113	117	114	117	107	100	112	100	113	113	109
1864	143	133	125	113	133	129	133	107	100	112	100	113	125	127
1865	143	133	125	125	133	129	133	110	100	112	110	125	138	145
1866	157	150	150	125	133	129	150	110	108	120	110	125	138	145
1867	157	150	150	125	133	129	150	110	108	120	110	125	138	145
1868	157	150	150	113	133	129	150	113	108	120	110	125	138	145
1869	157	150	150	113	133	129	150	113	108	120	110	125	150	145
1870	157	133	150	113	133	129	150	113	108	120	110	125	150	145
1871	157	133	150	113	133	129	150	113	115	120	115	130	150	145
1872	157	133	150	113	133	129	150	113	115	120	115	130	150	145
1873	143	133	150	113	133	129	133	113	115	120	115	130	150	145
1874	143	117	140	100	125	114	133	123	115	128	115	140	138	145
1875	143	117	140	100	125	114	133	123	123	128	120	140	138	145
1876	143	117	140	100	125	114	133	123	123	128	120	140	125	145
1877	129	117	135	100	125	114	133	123	123	128	120	150	113	145
1878	129	117	125	100	125	114	133	133	138	140	125	150	125	145
1879	129	117	125	100	125	114	133	133	138	140	125	150	125	145
1880	143	133	135	113	133	114	133	150	138	140	125	150	138	127

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Hardware, Cutlery and Edge Tools—(Con.).

P. 159—(Con.).	Mass., Chicopee.							Massachusetts, p. 160.						Mass., p. 161.
	Forger	Grinder	Helper	Laborer	Machinist	Polisher	Temperer	Forger	Laborer	Machinist	Packer	Polisher	Temperer	Blacksmith
Base wage	$1.60	$1.90	$.90	$.90	$1.75	$1.25	$2.15	$3.00	$1.00	$1.75	$1.25	$1.50	$2.50	$2.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	109	105	111	111	114	120	116	117	100	114	100	117	110	125
1864	125	145	139	139	129	140	140	117	100	114	100	117	110	150
1865	141	158	167	167	143	160	163	117	100	114	100	117	110	150
1866	141	158	167	167	143	160	163	125	125	129	100	117	110	175
1867	141	158	167	167	143	160	163	125	125	129	100	117	110	200
1868	141	158	167	167	143	160	163	133	150	143	120	133	120	200
1869	141	158	167	167	157	160	163	133	150	143	120	133	120	200
1870	141	158	167	167	143	160	163	133	150	171	140	133	120	200
1871	141	158	167	167	157	160	163	133	150	171	140	133	120	200
1872	141	158	194	167	157	160	163	133	150	171	140	133	120	200
1873	141	158	167	167	157	160	163	133	150	171	140	133	120	200
1874	141	145	150	139	143	140	140	125	125	157	140	117	120	200
1875	141	197	150	139	143	140	140	125	125	157	140	117	120	200
1876	125	145	128	111	120	120	140	125	125	157	140	117	120	200
1877	125	145	128	111	120	120	140	117	125	143	120	100	120	200
1878	125	145	128	128	123	120	140	117	125	143	120	100	120	175
1879	125	145	128	128	123	120	140	117	125	143	120	100	120	175
1880	125	145	139	128	129	120	140	133	150	143	120	117	120	175

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Hardware, Cutlery and Edge Tools—(Con.).

P. 161—(Con.).	Massachusetts.								N. H., Fisherville, p. 162.			New York, p. 164.		
	Foreman	Forger	Grinder	Laborer	Machinist	Packer	Polisher	Temperer	Foreman	Forger	Laborer	Forger	Grinder	Helper-first
Base wage	$52.00	$1.25	$1.75	$1.00	$2.17	$1.50	$1.50	$1.00	$52.00	$3.8467	$1.12½	$3.50	$2.25	$1.50
Year	Month	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	120	100	100	104	100	100	100	100	100	100	100	100	100
1862	100	140	114	100	104	117	117	125	100	100	100	100	100	100
1863	113	140	114	125	104	117	117	125	100	100	100	100	100	100
1864	125	180	114	125	115	133	117	150	125	75	111	100	100	100
1865	125	180	114	125	127	167	117	167	125	75	111	100	100	100
1866	138	180	114	140	138	200	117	167	150	75	133	100	100	100
1867	150	180	100	150	184	167	100	175	112	75	133	100	100	100
1868	150	180	100	150	184	167	100	175	112	75	133	100	100	100
1869	150	200	100	150	184	150	100	175	112	75	133	100	100	100
1870	200	200	100	150	184	167	100	200	112	52	133	100	100	100
1871	200	200	100	150	184	183	100	175	112	65	156	100	100	100
1872	200	240	100	150	184	183	100	175	112	78	156	100	100	100
1873	200	200	91	125	173	150	90	150	112	78	156	100	100	100
1874	200	200	91	125	161	150	90	150	112	78	156	100	100	100
1875	200	180	91	125	161	150	90	150	112	91	156	100	100	100
1876	200	160	91	125	150	150	90	175	112	91	156	100	100	100
1877	200	160	91	125	150	150	90	175	112	91	156	100	100	100
1878	188	160	100	125	150	150	100	175	112	91	156	100	100	100
1879	188	160	100	125	150	150	100	175	112	91	156	79	83	100
1880	188	160	100	125	150	150	100	175	112	91	156	79	83	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Machinery.

P. 164—(Con.).		Ind., La Fayette, p 171.						Missouri, St. Louis, p. 172.						
	Helper Second	Blacksmith	Blacksmith's Helper	Laborer	Machinist	Molder	Pattern-maker	Apprentice	Blacksmith	Blacksmith's Helper	Draughts-man	Engineer	Laborer	Machinist
Base wage	$1.00	$2.00	$1.25	$1.00	$1.75	$1.75	$1.75	$.52½	$1.60	$1.00	$1.60	$1.25	$1.00	$1.60
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	83	90	83	100	90	83
1862	100	100	100	100	100	100	100	100	100	125	94	100	100	100
1863	100	125	120	125	129	143	129	100	125	133	125	100	125	125
1864	100	138	120	125	157	157	143	114	179	166	172	120	125	172
1865	100	150	160	150	171	171	143	124	188	200	188	120	160	188
1866	100	150	160	150	171	171	143	124	219	200	219	140	160	219
1867	100	150	160	150	171	171	143	124	203	200	203	140	160	203
1868	100	150	160	150	171	171	143	124	187	183	187	140	180	187
1869	100	150	160	150	171	171	143	124	187	185	187	140	180	187
1870	100	125	120	125	143	143	143	124	187	185	187	140	180	187
1871	100	125	120	125	143	143	143	145	187	180	187	160	180	187
1872	100	125	120	125	143	143	143	145	187	180	187	160	180	187
1873	100	125	120	125	143	143	143	145	187	180	187	160	175	187
1874	100	125	110	125	143	143	143	145	169	150	169	140	175	169
1875	100	125	110	125	143	143	143	145	169	150	169	140	150	169
1876	100	100	104	125	129	114	114	145	156	150	156	140	150	156
1877	100	100	104	125	129	114	114	145	156	150	156	140	150	156
1878	100	100	104	125	129	114	114	145	141	150	141	160	140	156
1879	100	100	104	125	129	114	114	145	141	135	141	160	140	141
1880	100	—	—	—	—	—	—	145	172	166	156	180	160	156

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Machinery—(Con.).

	Missouri, p. 172—(Con.).					New Jersey, Paterson, p. 173.				New York, Albany, p. 174.				
	Machinist's Helper	Melter	Molder	Molder's Helper	Pattern Maker	Blacksmith	Laborer	Machinist	Molder	Blacksmith	Engineer	Laborer	Machinist	Molder
Base wage	$1.00	$1.00	$1.60	$1.00	$1.60	$1.07½	$0.75	$1.31¼	$1.31¼	$1.34⅜	$1.1666	$1.00	$1.31¼	$1.62½
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	90	90	94	90	83	108	100	100	100	98	100	97	95	98
1862	100	100	100	100	94	108	100	84	95	98	100	97	100	98
1863	120	125	125	120	125	140	131	132	114	115	100	125	114	93
1864	133	150	168	133	172	131	131	124	124	163	139	175	162	131
1865	167	200	188	167	188	180	179	171	222	163	139	156	162	135
1866	200	200	219	180	219	186	186	193	209	172	150	163	167	138
1867	200	200	203	180	203	203	183	197	200	181	150	163	171	154
1868	180	200	187	180	187	183	173	149	176	186	150	175	162	154
1869	180	200	187	180	187	177	189	161	187	191	150	175	143	138
1870	180	200	187	180	187	190	193	181	192	186	150	175	143	138
1871	180	200	187	180	187	209	205	171	190	195	150	175	171	154
1872	180	200	187	180	187	209	200	171	190	205	150	175	171	154
1873	180	200	187	180	187	209	200	171	190	205	150	175	181	154
1874	150	175	169	150	169	149	150	122	130	195	171	175	181	154
1875	150	170	169	150	169	149	150	122	130	195	171	175	181	154
1876	150	170	156	150	156	140	133	114	126	205	171	163	166	146
1877	150	170	156	150	156	140	133	114	126	186	154	156	150	135
1878	150	160	150	135	141	149	150	126	130	186	154	150	143	135
1879	135	160	141	115	141	163	150	130	137	177	148	150	129	123
1880	135	200	156	137	156	167	167	137	152	192	161	125	138	123

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Machinery—(Con.).

	P. 174—(Con.).	Ohio, Akron, p. 176											Mich., Detroit, p. 178.	
	Pattern Maker	Appren-tice	Blacksmith	Black-smith's Helper	Draughts-man	Engineer	Machinist	Machinist's Helper	Melter	Molder	Molder's Helper	Pattern Maker	Blacksmith	Boiler Fitter
Base wage	$1.50	$0.48	$1.75	$1.25	$1.75	$0.64	$1.75	$1.12½	$1.20	$1.75	$1.12¼	$1.75	$1.50	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	142	100	114	100	114	100	114	111	108	114	111	114	100	100
1862	142	100	129	120	129	100	129	111	108	129	111	129	107	100
1863	146	100	143	120	143	100	143	111	113	143	111	143	117	108
1864	158	100	143	120	143	100	143	111	113	143	111	143	157	200
1865	158	100	143	120	143	100	143	111	113	143	111	143	167	200
1866	158	100	143	120	143	100	143	111	113	143	111	143	183	183
1867	167	100	143	120	143	100	143	111	113	143	111	143	158	167
1868	167	100	134	112	143	100	134	102	108	134	102	134	167	175
1869	175	100	129	108	143	100	129	98	104	129	98	129	167	175
1870	175	100	—	—	143	195	—	—	—	—	—	—	167	175
1871	183	100	129	100	143	195	129	98	104	143	111	143	150	150
1872	183	100	129	100	143	195	129	98	104	143	111	143	150	150
1873	167	100	129	100	143	211	129	98	104	143	111	143	167	167
1874	175	100	114	92	143	219	100	89	104	114	102	114	183	167
1875	175	100	114	92	143	219	100	89	104	114	102	114	175	167
1876	167	100	114	92	157	219	100	89	104	114	102	114	175	150
1877	167	100	129	100	157	219	114	111	112	129	111	129	167	150
1878	150	100	129	100	157	219	114	111	112	129	111	129	167	133
1879	150	100	134	108	157	219	129	111	117	143	111	143	150	133
1880	167	100	143	120	171	234	143	111	125	157	111	157	150	150

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Machinery—(Con.).

	Michigan, Detroit, p. 178—(Con.).									New York, Buffalo, p. 180.				
	Boiler Helper	Boiler Maker	Boiler Riveter	Engineer	Laborer	Machinist	Machinist's Helper	Molder	Molder's Helper	Black-smith	Blacksmith's Helper	Boiler Fitter	Boiler Flanger	Boiler Helper
Base wage	$1.00	$1.50	$1.50	$1.37½	$0.87½	$1.50	$0.87½	$1.25	$0.87½	$1.50	$0.75	$1.25	$1.50	$0.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	109	100	100	100	130	109	117	133	120	117	150
1862	100	100	100	109	100	107	100	130	109	117	133	140	133	150
1863	120	108	108	127	114	127	114	140	120	117	133	160	150	200
1864	175	200	200	127	171	167	171	240	171	117	133	180	167	200
1865	175	200	200	127	200	175	186	200	200	117	133	180	167	200
1866	180	183	183	127	186	183	186	220	186	133	167	180	167	200
1867	175	167	167	164	186	183	186	248	200	150	200	200	183	200
1868	170	175	175	145	171	183	171	264	171	150	200	200	183	200
1869	160	175	175	145	171	175	171	264	171	133	167	184	167	180
1870	170	175	175	145	171	175	171	264	171	117	133	176	160	160
1871	188	150	150	145	171	175	171	264	171	160	187	180	167	280
1872	175	150	150	145	171	175	171	264	171	160	187	192	173	300
1873	175	167	167	145	171	183	171	264	183	173	227	200	187	300
1874	175	167	167	145	157	183	171	264	171	173	227	200	187	300
1875	138	167	167	145	149	183	157	220	157	173	227	200	187	300
1876	138	150	150	145	143	167	143	200	157	167	227	—	180	260
1877	125	150	150	131	149	157	149	180	143	167	213	168	180	260
1878	125	133	133	131	149	157	149	180	143	160	200	168	173	280
1879	125	133	133	131	149	157	149	160	143	153	200	168	173	280
1880	150	150	150	131	143	157	149	180	143	150	220	—	180	300

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Machinery—(Con.).

	New York, Buffalo, p. 180—(Con.).												New York, p. 182.	
	Boiler Holder-on	Boiler Maker	Boiler Riveter	Engineer	Joiner	Joiner's Helper	Machinist	Machinist's Helper	Melter	Molder	Molder's Helper	Pattern Maker	Apprentice	Black-smith
Base wage	$0.75	$1.25	$1.25	$1.12	$1.50	$1.00	$1.12	$0.75	$1.10	$1.50	$0.85	$1.60	$0.60	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	133	120	120	179	100	100	134	100	100	109	102	156	100	100
1862	167	140	140	179	100	100	156	100	100	109	102	156	100	100
1863	167	160	160	179	100	100	156	100	100	109	102	156	100	117
1864	167	180	180	179	100	100	179	117	114	117	129	156	100	167
1865	167	180	180	179	100	100	179	117	136	133	147	156	100	167
1866	167	180	180	179	117	100	201	133	114	183	176	172	100	167
1867	200	200	200	179	117	100	223	133	114	183	176	178	100	167
1868	200	200	200	179	117	100	223	133	114	183	176	178	100	167
1869	187	184	184	179	100	90	214	120	114	167	176	172	100	167
1870	173	176	176	179	93	80	201	107	114	167	176	172	100	200
1871	200	340	180	—	100	90	223	187	—	—	—	—	—	—
1872	200	340	192	—	100	100	223	187	—	—	—	—	—	—
1873	213	360	200	201	117	100	259	227	—	200	200	175	—	—
1874	213	360	200	—	117	100	259	227	—	—	—	—	—	—
1875	213	360	200	—	117	100	259	227	—	—	—	—	100	183
1876	213	360	168	201	100	90	250	227	—	200	200	169	—	—
1877	213	360	176	—	100	90	250	227	—	—	—	—	—	—
1878	227	360	176	—	100	90	241	213	—	—	—	—	—	—
1879	227	360	184	—	100	90	241	213	—	—	—	—	—	—
1880	233	385	192	201	100	—	241	200	—	167	182	147	100	167

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Machinery—(Con.).

	New York, p. 182—(Con.).							Indiana, New Albany, p. 185.						
	Boiler-maker	Boiler Riveter	Engineer	Machinist	Melter	Molder	Pattern Maker	Blacksmith	Blacksmith's Helper	Cleaner	Coremaker	Laborer	Machinist	Molder
Base wage	$1.50	$1.25	$1.50	$1.50	$1.25	$1.50	$2.00	$2.00	$1.00	$1.00	$1.50	$1.00	$2.00	$2.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	125	125	125	100	125	125	113
1862	100	100	100	100	100	100	100	125	125	125	100	125	125	113
1863	117	120	100	117	120	117	100	138	125	125	100	125	138	138
1864	167	180	100	167	120	133	125	138	125	125	117	125	138	138
1865	167	180	100	167	120	133	150	138	125	125	117	125	138	138
1866	167	200	100	167	120	133	150	138	125	125	117	125	138	138
1867	167	200	100	167	120	150	150	138	125	125	117	125	138	138
1868	167	200	100	167	120	150	150	138	125	125	117	125	138	138
1869	167	200	100	167	120	150	150	138	125	125	117	125	138	138
1870	167	200	—	167	120	167	150	150	150	150	133	150	150	150
1871	—	—	—	—	—	—	—	150	150	150	133	150	150	150
1872	—	—	—	—	—	—	—	150	150	150	133	150	150	150
1873	—	—	—	—	—	—	—	150	150	150	133	150	150	150
1874	—	—	—	—	—	—	—	138	125	125	133	125	138	138
1875	150	180	—	157	—	150	150	125	125	100	133	100	113	113
1876	—	—	—	—	—	—	—	125	125	100	100	100	113	113
1877	—	—	—	—	—	—	—	125	125	100	100	100	113	113
1878	—	—	—	—	—	—	—	125	125	100	100	100	113	113
1879	—	—	—	—	—	—	—	125	125	100	100	100	125	113
1880	150	180	—	150	—	133	125	125	125	100	100	106	138	113

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Machinery—(Con.).

	Ind., New Albany, p. 185—(Con.)			Mass., Worcester, p. 187.				Ind., Evansville, p. 191.						
	Molder's Helper	Pattern Maker	Teamster	Girl	Machinist	Skilled Workman	Unskilled Workman	Blacksmith	Boiler-maker	Engineer	Laborer	Machinist	Painter	Pattern Maker
Base wage	$1.00	$2.00	$1.25	$.80	$1.50	$2.10	$1.10	$1.75	$1.57½	$2.02½	$1.02½	$1.55	$1.62½	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	—	—	—	—	—	—	—
1861	125	100	120	100	93	95	91	100	100	100	100	100	100	100
1862	125	100	120	100	93	95	91	114	127	118	112	126	129	133
1863	150	150	120	113	143	143	136	124	149	123	132	135	138	183
1864	150	150	120	125	150	155	159	176	214	146	183	176	200	244
1865	150	150	120	150	217	238	227	181	222	146	183	194	169	250
1866	150	150	120	188	267	333	273	133	222	146	185	194	192	250
1867	150	150	120	188	200	214	205	177	203	148	171	182	146	233
1868	150	150	120	188	200	190	182	177	203	148	171	174	146	233
1869	150	150	120	188	200	214	182	177	203	148	171	182	146	233
1870	150	150	120	188	200	214	182	177	195	148	171	190	143	233
1871	150	150	120	188	200	190	182	167	195	148	171	192	143	233
1872	150	150	120	188	200	190	182	150	176	210	171	197	135	233
1873	150	150	120	175	183	143	136	149	160	195	156	181	134	200
1874	125	138	120	175	183	143	136	149	163	195	156	177	134	200
1875	113	138	120	—	—	—	—	141	156	191	148	172	138	190
1876	113	125	120	175	183	143	136	137	162	180	137	165	140	183
1877	113	113	120	175	183	143	136	131	143	137	122	150	123	167
1878	113	113	120	175	183	143	136	129	143	137	122	150	120	167
1879	113	125	120	175	183	143	136	120	143	137	122	139	122	167
1880	125	125	120	188	200	214	159	126	157	163	122	140	108	167

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Machinery—(Con.). P. 191—(Con.).	Rolling Mills and Nail Factories Pa., Pittsburg, p. 231.						Tin and Sheet-Iron Works. N. J., Newark, p. 234.						
	Tinner	Carpenter	Engineer	Hook-up	Laborer	Machinist	Teamster	Copper-smith	Gas-fitter	Helper	Laborer	Plumber	Pumpmaker	Tinsmith
Base wage	$1.50	$1.12½	$1.25	$1.00	$.83½	$1.37½	$1.1667	$1.75	$1.75	$1.50	$1.25	$1.75	$2.00	$1.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	133	140	100	138	100
1862	150	100	100	100	110	127	100	114	114	133	140	114	138	114
1863	160	156	200	113	135	164	115	157	157	150	160	157	150	157
1864	227	211	200	194	155	182	115	171	171	167	160	171	175	171
1865	233	233	250	225	202	227	158	200	200	200	200	200	175	200
1866	210	272	250	225	225	245	200	200	200	200	200	200	175	200
1867	210	272	270	225	195	227	200	200	214	200	200	214	188	200
1868	200	272	250	175	195	227	171	200	214	200	200	214	188	200
1869	200	272	250	188	190	227	171	200	214	200	200	214	188	200
1870	200	278	250	175	190	227	171	200	214	150	160	200	188	200
1871	200	278	250	175	190	227	171	200	214	150	160	200	188	200
1872	200	278	250	188	190	227	171	200	214	150	160	200	188	200
1873	180	249	198	188	165	211	143	214	214	200	200	214	188	214
1874	180	224	176	170	135	187	137	143	143	133	100	143	125	143
1875	171	204	192	160	127	167	137	143	143	133	100	143	125	143
1876	167	182	192	145	120	156	137	143	143	133	100	143	125	143
1877	150	174	192	130	120	156	137	143	143	133	100	143	125	143
1878	150	174	192	130	120	156	137	157	157	133	100	157	138	157
1879	150	200	202	130	120	175	157	143	143	133	120	143	125	143
1880	150	200	202	155	150	175	157	143	143	133	120	143	125	143

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

	Marble Works.											Iron Mining.		
	Ind., Lafayette, p. 235.				New York, Troy, p. 236.							N. Y., Amenia, p. 253.	Pa., Hokendaqua, p. 254.	
	Carver	Cutter	Letterer	Rubber	Carver	Cutter	Engineer	Letterer	Polisher	Rubber	Teamster	Laborer	Engineer	Miner
Base wage	$2.50	$1.50	$2.50	$1.50	$2.25	$2.00	$1.50	$2.00	$1.3333	$1.3333	$1.25	$.96	$1.00	$.80
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	—	—	—	—	100	100	111	100	112	112	100	96	—	—
1862	—	—	—	—	100	100	133	100	112	112	107	96	115	125
1863	160	167	160	133	111	113	150	100	112	112	120	98	115	125
1864	160	167	160	133	111	113	150	113	125	112	120	120	175	200
1865	160	167	160	133	111	113	133	113	131	125	120	159	166	188
1866	160	167	160	133	133	125	133	125	125	125	120	164	166	188
1867	160	167	160	133	133	138	117	125	112	112	107	170	166	188
1868	160	167	160	133	156	138	111	150	150	150	120	170	175	188
1869	160	167	160	133	156	163	133	150	150	150	133	170	175	188
1870	160	167	160	133	156	163	133	150	150	150	133	171	160	169
1871	160	167	160	133	144	163	122	150	150	150	133	168	150	156
1872	160	167	160	133	144	163	133	150	150	150	133	164	187	188
1873	160	167	160	133	156	167	133	150	150	150	133	172	175	181
1874	140	133	140	117	148	167	122	150	150	150	133	135	125	138
1875	—	—	—	—	156	167	122	150	150	150	133	120	115	125
1876	—	—	—	—	148	150	122	150	150	150	133	104	—	—
1877	120	133	100	100	111	125	122	125	125	125	127	104	90	94
1878	90	100	90	100	111	125	111	125	125	125	127	104	90	94
1879	90	100	90	100	111	113	111	100	125	125	127	104	100	100
1880	90	100	90	100	130	125	111	100	125	125	127	130	100	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture.

Connecticut, Unionville, p. 267.

	Back Tender	Bleacher	Box-maker	Calenderer Girl	Carpenter	Counter Girl	Cutter Girl	Finisher	Finisher's Helper	Fireman	Folder Girl	Foreman	Laborer	Loftman
Base wage	$.92	$1.00	$1.17	$.58	$1.17	$.67	$.58	$1.50	$1.33	$.92	$.67	$4.00	$1.00	$1.42
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	171	100	100	100	100	100	100	100	100	100	100	118
1862	100	100	171	100	100	100	100	100	100	100	100	100	100	118
1863	109	100	171	100	100	100	100	111	113	109	100	100	100	118
1864	163	150	171	116	143	100	116	167	169	163	134	167	150	158
1865	163	150	171	129	143	124	155	167	169	163	124	167	150	158
1866	163	167	171	159	171	149	155	167	169	217	149	167	150	211
1867	182	167	185	172	171	161	155	167	169	217	161	167	167	211
1868	182	167	185	172	185	161	155	183	188	217	161	208	175	211
1869	182	167	185	172	192	161	155	183	188	217	161	208	175	211
1870	190	200	192	172	192	161	172	200	197	217	161	208	175	211
1871	182	200	192	172	192	161	172	200	197	217	161	208	200	211
1872	190	225	214	172	214	161	172	200	197	245	161	125	200	211
1873	190	225	235	190	192	161	172	200	152	217	179	125	200	211
1874	176	202	231	172	231	161	172	200	197	217	161	125	180	190
1875	176	200	235	172	235	161	172	200	197	217	161	125	190	211
1876	176	200	235	172	214	161	172	200	197	217	161	125	171	211
1877	176	200	214	172	192	161	172	200	197	196	161	125	171	211
1878	136	125	214	172	171	149	129	117	113	136	149	100	125	123
1879	136	125	214	172	171	149	129	133	132	136	149	100	135	141
1880	147	135	214	172	192	149	151	133	150	152	149	100	140	141

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture—(Con.)

	Connecticut, Unionville, p. 267—(Con.).									Ind., Evansville, p. 272.				
	Machinist	Machine Tender	Machine Tender's Helper	Mill-wright	Overseer in Rag Room	Rag Engineer	Rag Engineer's Helper	Rag Sorter Girl	Sealer	Fireman	Laborer	Machine Tender	Rag Engineer	Steam Engineer
Base wage	$1.50	$1.50	$.92	$1.50	$1.47	$1.50	$.92	$.58	$1.33	$1.1667	$1.00	$1.6667	$1.50	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	90	100	100	100	107	100	117	100	100	100
1862	100	100	100	100	90	100	100	100	126	100	117	100	100	100
1863	117	111	109	117	114	100	109	100	126	100	117	100	100	100
1864	167	111	163	167	136	111	163	108	126	100	117	100	100	100
1865	200	133	163	200	136	133	163	129	126	100	117	100	100	100
1866	200	150	163	200	170	150	182	155	150	115	117	120	111	111
1867	250	167	182	250	136	167	182	155	188	114	117	120	111	111
1868	250	183	182	250	136	167	182	155	188	114	117	120	111	111
1869	250	183	182	250	153	167	182	159	188	129	133	130	122	122
1870	250	191	190	250	161	175	182	172	150	129	133	130	122	122
1871	250	200	182	250	161	175	190	172	126	129	133	130	122	122
1872	250	200	190	250	161	183	190	172	150	129	133	130	122	122
1873	267	217	190	267	178	200	190	181	163	100	117	120	111	111
1874	240	200	176	240	161	180	171	172	147	86	100	100	89	100
1875	240	200	176	240	161	175	176	172	150	86	100	100	89	100
1876	240	200	176	240	161	175	176	172	150	71	100	90	78	89
1877	217	200	176	217	170	175	176	172	150	71	100	80	78	78
1878	167	167	136	167	119	117	136	129	113	71	100	80	78	78
1879	167	167	136	167	119	117	136	129	113	71	100	80	78	78
1880	167	167	147	167	136	133	147	172	120	86	83	80	78	78

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture—(Con.)

	P. 272—(Con.).	New Jersey, p. 279.												
	Teamster	Assistant Bleacher	Back-tender	Bleacher	Calenderer	Carpenter	Cutter Girl	Finisher	Finisher's Helper	Fireman	Foreman	Laborer	Machinist	Machine Tender
Base wage	$1.00 Day	$1.25 Day	$1.50 Day	$1.50 Day	$1.50 Day	$1.50 Day	$.75 Day	$1.50 Day	$1.00 Day	$1.50 Day	$2.00 Day	$1.25 Day	$1.50 Day	$2.00 Day
Year														
1860	100	—	—	—	—	—	—	—	—	—	—	—	—	—
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1865	100	100	100	100	100	100	100	100	100	100	200	100	100	100
1866	117	100	100	100	100	100	100	100	100	100	225	100	100	100
1867	117	100	100	100	100	100	100	100	100	100	250	100	100	100
1868	117	100	100	100	100	100	100	100	100	100	250	100	100	100
1869	117	100	100	100	100	100	100	100	100	100	250	100	100	100
1870	117	100	100	100	100	117	100	100	—	83	300	120	111	106
1871	117	100	100	100	100	117	100	100	—	83	300	120	111	106
1872	117	100	100	100	100	117	100	100	—	83	300	120	111	106
1873	100	100	100	100	100	117	100	100	—	83	300	120	111	106
1874	83	100	100	100	100	117	100	100	—	83	300	80	111	106
1875	83	100	100	100	100	117	100	100	—	83	300	80	111	106
1876	83	100	100	100	83	117	93	100	—	100	300	88	111	106
1877	83	100	100	100	83	117	93	100	—	100	300	88	111	106
1878	83	100	100	100	83	117	93	100	—	100	300	88	111	106
1879	83	100	100	100	83	117	93	100	—	100	300	100	111	106
1880	83	100	100	100	100	117	100	100	—	100	300	120	133	106

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture—(Con.).

	New Jersey, p. 279—(Con.).					N. Y., Niagara Falls, p. 280.							
	Machine Tender's Helper	Mill-wright	Rag Engineer	Rag Engineer's Helper	Teamster	Assistant Bleacher	Bleacher	Carpenter	Cutter Girl	Finisher	Fireman	Folder	Foreman
Base wage	$1.50	$1.75	$1.6666	$1.50	$1.50	$1.00	$1.50	$1.75	$.75	$1.50	$1.50	$.75	$5.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	—	—	—	—	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	100	100	117	117	100	100
1864	100	100	100	100	100	100	100	100	100	117	117	133	100
1865	100	100	100	100	100	100	100	100	100	117	117	133	100
1866	100	100	100	100	100	100	100	100	100	117	117	133	100
1867	100	100	100	100	100	100	100	100	100	117	117	133	100
1868	100	100	100	100	100	100	100	100	100	117	117	133	100
1869	100	100	100	100	100	100	100	100	100	117	117	133	100
1870	100	95	100	83	100	—	108	114	100	117	117	133	160
1871	100	95	100	83	100	—	108	114	100	117	117	133	160
1872	100	95	100	83	100	—	108	114	100	117	133	133	160
1873	100	95	100	83	100	—	108	114	100	117	133	133	160
1874	100	95	100	83	100	—	108	114	100	117	133	133	160
1875	100	95	100	67	100	—	108	114	100	117	133	133	160
1876	100	95	100	67	83	—	108	114	100	133	133	133	160
1877	100	95	100	67	83	—	108	114	100	133	133	133	160
1878	100	95	100	67	83	—	108	114	100	133	133	133	160
1879	100	95	100	67	83	—	108	114	100	133	133	133	160
1880	100	95	100	83	100	—	108	114	100	133	133	133	160

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture—(Con.).

N. Y., Niagara Falls, p. 280—(Con.) | N. Y., Watertown, p. 282.

	Laborer	Loftman	Machinist	Machine Tender	Machine Tender's Helper	Mill-wright	Overseer in Rag Room	Rag Engineer	Rag Engineer's Helper	Teamster	Calenderer	Finisher, Female	Finisher, Male	Fireman
Base wage	$1.00	$1.00	$1.75	$1.50	$1.00	$1.75	$1.75	$1.25	$.87½	$1.75	$.50	$.50	$1.25	$1.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	117	113	100	100	100	100	100	100	100	100	100
1862	100	113	114	117	113	114	100	100	100	100	120	120	100	100
1863	100	125	114	133	125	114	114	100	100	100	130	130	106	113
1864	100	125	114	133	125	114	114	100	100	100	140	140	120	125
1865	125	125	114	133	125	114	114	100	100	100	140	140	140	150
1866	125	125	114	133	125	114	114	100	100	100	160	160	140	150
1867	125	125	114	133	125	114	114	100	100	100	150	150	180	150
1868	125	125	129	133	125	114	114	100	100	100	160	160	200	150
1869	125	125	114	133	125	114	114	100	100	100	160	160	200	150
1870	125	125	114	133	150	114	114	120	143	100	200	200	240	—
1871	125	125	114	133	150	114	114	120	143	100	—	—	—	—
1872	125	125	129	133	150	129	114	120	143	100	200	200	240	200
1873	125	125	129	133	150	129	114	120	143	100	—	—	—	—
1874	125	125	129	133	150	129	114	120	143	100	—	170	160	175
1875	125	125	129	147	150	129	114	120	143	100	—	—	—	—
1876	125	125	129	133	150	129	114	120	143	100	—	170	160	175
1877	125	125	129	133	150	129	114	120	143	100	—	—	—	—
1878	125	125	129	133	150	129	114	120	143	100	—	160	160	160
1879	125	125	129	133	150	129	114	120	143	100	—	—	—	—
1880	125	125	129	133	150	129	114	120	143	100	—	160	160	160

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture—(Con.).

	N. Y., Watertown, p. 282—(Con.).								Pennsylvania, p. 287.					
	Folder	Laborer	Loftman	Machine Tender	Overseer in Rag Room	Rag Engineer	Rag Engineer's Helper	Rag Sorter	Assistant Bleacher	Back-tender	Bleacher	Calenderer	Cutter Girl	Finisher
Base wage	$.50	$1.00	$1.13	$1.50	$1.00	$1.13	$1.00	$.40	$.9166	$.8333	$1.1667	$1.25	$.50	$1.3333
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	89	83	100	89	100	125	100	110	100	100	100	100
1862	120	100	100	100	100	111	100	150	109	100	100	93	100	100
1863	130	113	111	100	113	118	113	163	137	140	143	133	117	125
1864	140	125	133	133	125	133	125	175	182	180	172	160	133	150
1865	140	150	177	167	150	166	150	175	201	200	186	173	167	162
1866	160	150	155	167	150	155	150	175	201	220	172	160	167	150
1867	150	150	177	183	150	155	150	175	200	220	171	160	167	150
1868	160	150	155	183	150	155	150	187	200	200	171	160	167	150
1869	160	150	155	183	150	155	150	187	200	220	186	173	167	175
1870	200	150	177	200	—	177	150	200	200	220	182	173	167	175
1871	—	—	—	—	—	—	—	200	200	180	171	173	167	175
1872	200	175	233	200	—	233	175	200	200	220	186	173	183	175
1873	—	—	—	—	—	—	—	200	200	220	186	173	183	175
1874	170	150	—	133	—	177	150	182	200	220	186	187	200	175
1875	—	—	—	—	—	—	—	182	200	220	186	187	200	175
1876	170	125	—	150	180	177	140	182	180	198	167	168	180	157
1877	—	—	—	—	180	—	—	182	180	198	167	168	180	157
1878	200	113	—	133	160	177	140	182	180	198	167	168	180	157
1879	200	125	—	—	160	—	140	182	180	198	167	168	180	157
1880	200	125	—	147	160	195	140	167	200	220	186	187	200	175

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Paper Manufacture—(Con.).

	Pennsylvania, p. 287—(Con.).							Wisconsin, p. 288.						
	Fireman	Laborer	Machine Tender	Overseer in Rag Room	Rag Engineer	Rag Sorter	Steam Engineer	Bleacher	Carpenter	Cutter Girl	Finisher	Fireman	Folder	Foreman
Base wage	$1.00	$.8333	$1.50	$1.1667	$1.3333	$.6667	$1.9233	$1.00	$1.25	$.50	$1.50	$1.00	$.75	$5.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	117	80	144	115	131	125	108	150	120	100	100	100	100	100
1864	167	130	167	172	150	125	130	150	120	125	133	150	133	100
1865	183	130	183	172	175	125	143	175	120	125	133	150	133	100
1866	167	180	167	172	159	125	139	175	140	125	133	175	133	100
1867	167	200	167	171	150	125	139	175	160	125	117	175	133	100
1868	167	180	167	171	150	125	139	150	160	125	100	150	100	100
1869	167	220	178	171	150	125	139	125	120	125	100	125	83	100
1870	167	220	178	171	175	125	139	100	120	125	83	113	83	100
1871	167	220	178	171	175	125	139	100	120	125	83	113	83	100
1872	167	220	200	171	175	125	147	100	120	125	83	113	83	100
1873	167	220	200	171	175	125	156	100	120	125	83	113	83	100
1874	167	220	200	171	175	125	156	100	120	125	83	113	83	100
1875	167	220	200	171	175	125	156	100	120	125	83	113	83	100
1876	165	198	180	167	157	125	148	125	120	125	83	113	83	100
1877	165	198	180	167	157	125	148	125	120	125	83	113	83	100
1878	165	198	180	167	157	125	148	125	120	150	100	125	100	100
1879	165	198	180	167	157	125	148	125	120	150	100	125	100	100
1880	167	220	200	186	175	125	165	125	120	150	100	125	100	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Paper Manufacture—(Con.). Wisconsin, p. 288—(Con.).						Pianos and Organs. Mass, Westfield, p. 289.				Pianos and Organs. N. H., Concord, p. 291.			
	Laborer	Machine Tender	Rag Engineer	Rag Engineer's Helper	Rag Sorter	Teamster	Action Maker	All Others	Tuner	Voicer	Action Maker	Case Maker	Mill Hand	Finisher
Base wage	$1.00	$1.75	$1.25	$1.00	$.50	$1.00	$2.00	$1.75	$3.50	$3.50	$1.75	$1.75	$1.65	$1.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	114	100	106	100
1862	100	100	100	100	100	100	100	100	100	100	114	100	106	100
1863	150	100	140	150	100	150	100	100	100	100	114	100	106	100
1864	150	100	140	150	100	150	100	100	100	100	143	114	121	114
1865	150	114	140	175	125	150	125	129	114	114	143	114	121	114
1866	175	114	140	175	125	175	125	129	114	114	143	114	121	114
1867	175	114	140	175	125	175	125	129	114	114	149	129	136	129
1868	150	114	140	150	125	150	138	143	143	143	151	129	136	143
1869	125	114	120	125	125	125	150	157	143	143	154	129	136	143
1870	100	100	100	110	125	125	163	157	143	143	157	143	152	157
1871	100	100	100	110	125	125	175	171	143	143	171	143	152	171
1872	100	100	100	110	125	125	188	186	143	143	171	143	152	171
1873	100	100	100	110	125	125	200	186	143	143	186	157	167	171
1874	100	100	100	110	125	125	200	186	143	143	171	143	152	171
1875	100	100	100	110	125	125	200	186	157	157	157	129	136	157
1876	100	100	100	110	125	125	188	171	157	157	143	114	121	143
1877	100	100	100	110	125	125	175	157	157	157	129	100	106	129
1878	110	114	120	125	150	125	163	136	157	157	114	100	106	114
1879	110	114	120	125	150	125	113	100	107	107	103	100	106	103
1880	125	114	120	125	150	125	125	114	107	107	114	114	121	114

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Pianos and Organs—(Con.).

	P. 291—(Con.).		N. Y., New York, p. 292.											
	Tuner	Varnisher	Action Maker	Action Regulator	Carver	Case Maker	Clerk	Finisher	Fly Finisher	Foreman	Key-maker	Laborer	Sales-man	Sound-board maker
Base wage	$2.00	$1.75	$2.1667	$2.1667	$1.8333	$1.8333	$3.3333	$2.1667	$2.1667	$3.6667	$2.00	$1.50	$3.3333	$2.1667
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	113	100	92	92	91	91	100	92	92	100	92	89	110	92
1862	113	100	100	100	100	100	110	100	100	109	100	100	150	100
1863	113	100	108	108	118	118	125	108	108	114	108	111	200	115
1864	138	114	115	115	127	127	125	115	115	136	117	111	200	123
1865	138	114	115	115	127	127	125	115	115	284	117	122	200	123
1866	138	114	123	115	127	127	150	115	115	284	117	122	225	123
1867	150	129	123	115	136	127	150	115	123	284	117	122	225	131
1868	150	129	131	131	136	136	150	131	131	284	125	122	225	138
1869	163	129	138	138	136	136	150	138	138	284	125	122	225	154
1870	163	143	146	146	136	136	150	146	146	284	125	122	225	169
1871	175	143	146	138	136	136	150	138	138	284	125	122	225	154
1872	187	143	146	146	145	145	175	146	146	284	133	133	250	169
1873	200	157	138	138	136	136	175	138	138	284	125	122	250	154
1874	187	143	131	131	127	127	200	131	131	284	117	111	250	146
1875	187	129	131	131	127	127	200	131	131	284	117	111	250	146
1876	175	114	123	123	118	118	200	123	123	284	108	111	250	138
1877	175	100	123	123	118	118	200	123	123	284	108	111	275	138
1878	163	100	123	123	118	118	200	123	123	284	108	111	275	138
1879	163	100	138	131	127	127	200	131	131	170	117	122	275	146
1880	163	114	154	146	145	145	200	146	146	170	133	122	275	154

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Pianos and Organs—(Con.). N. Y., p. 292—(Con.).				Pins. Conn., Waterbury, p. 293.			Pottery and Earthenware. Ohio, East Liverpool, p. 299.						
	Tone-Regulator	Top-maker	Tuner	Varnisher	Girl	Laborer	Mechanic	Clay-maker	Dipper	Dish-maker	Fireman	Helper, Boy	Helper, Girl	Helper, Woman
Base wage	$2.50	$2.50	$2.3333	$1.8333	$0.5833	$1.00	$1.50	$1.50	$1.50	$1.50	$1.75	$0.30	$0.30	$0.40
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	93	93	93	91	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	107	107	107	109	143	125	133	133	133	167	143	167	167	169
1864	113	113	114	127	143	125	133	—	—	—	—	—	—	—
1865	113	113	114	127	157	150	150	—	—	—	—	—	—	—
1866	113	113	114	127	157	150	150	—	—	—	—	—	—	—
1867	120	120	121	127	157	150	167	—	—	—	—	—	—	—
1868	127	120	128	136	157	150	167	—	—	—	—	—	—	—
1869	127	127	128	136	171	175	200	167	167	167	171	233	192	200
1870	133	133	136	136	171	175	200	167	167	167	171	233	192	200
1871	133	127	136	136	171	175	200	167	167	167	171	233	192	200
1872	147	133	143	145	171	175	200	167	167	167	171	233	192	200
1873	140	127	150	136	171	175	200	167	167	167	171	233	192	200
1874	133	120	100	127	171	175	200	167	167	167	171	233	192	200
1875	133	120	100	127	171	175	200	167	167	167	171	233	192	200
1876	127	113	93	118	171	175	200	167	167	167	171	233	192	200
1877	127	113	93	118	171	150	200	167	167	167	171	233	192	200
1878	127	113	93	118	143	150	167	133	167	167	157	233	192	200
1879	133	120	100	127	143	150	167	133	167	167	157	233	192	200
1880	153	133	114	136	143	150	167	133	167	167	157	233	192	200

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Pottery and Earthenware—(Con.).

	Ohio, East Liverpool, p. 299—(Con.).								Ohio, East Liverpool, p. 300.					
	Jigger-man	Laborer	Mold-maker	Oven-man	Packer	Presser	Sagger-man	Teamster with Two Horses and wagon	Boy	Clay-maker	Dipper	Dish-maker	Fireman	Girl
Base wage	$2.00	$0.75	$2.00	$1.25	$1.50	$1.50	$1.50	$2.50	$0.30	$1.50	$1.50	$1.50	$1.50	$0.30
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	—	—	—	—	—	—
1863	125	250	150	160	167	133	167	180	167	133	133	150	167	167
1864	—	—	—	—	—	—	—	—	167	133	133	150	167	167
1865	—	—	—	—	—	—	—	—	167	133	133	150	167	167
1866	—	—	—	—	—	—	—	—	167	133	133	150	167	167
1867	—	—	—	—	—	—	—	—	167	133	133	150	167	167
1868	—	—	—	—	—	—	—	—	167	133	133	150	167	167
1869	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1870	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1871	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1872	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1873	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1874	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1875	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1876	175	267	225	180	167	167	183	220	167	133	133	150	167	167
1877	175	267	225	180	167	167	183	220	200	167	167	167	200	200
1878	175	183	188	160	150	167	150	170	200	133	167	167	183	200
1879	175	183	188	160	150	167	150	170	200	133	167	167	183	200
1880	175	183	188	160	150	167	150	170	200	133	167	167	183	200

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Pottery and Earthenware—(Con.).

	Ohio, East Liverpool, p. 300—(Con.).								Ohio, East Liverpool, p. 302.					
	Kiln-man	Jigger-man	Laborer	Mold-maker	Packer	Presser	Sagger-maker	Woman	Boy	Clay maker	Dipper	Dish-maker	Fireman	Girl
Base wage	$1.25	$2.00	$0.75	$2.00	$1.50	$1.50	$1.50	$0.40	$0.33	$1.50	$1.50	$2.00	$1.50	$0.33
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1863	160	125	250	150	167	133	167	163	152	133	150	113	167	121
1864	160	125	250	150	167	133	167	163	152	133	150	113	167	121
1865	160	125	250	150	167	133	167	163	182	167	167	125	200	152
1866	160	125	250	150	167	133	167	163	182	167	167	125	200	152
1867	160	125	250	150	167	133	167	163	182	167	167	125	200	152
1868	160	125	250	150	167	133	167	163	182	167	167	125	200	152
1869	160	125	250	150	167	133	167	163	182	167	167	125	200	152
1870	160	125	250	150	167	133	167	163	182	167	167	125	200	152
1871	160	125	250	150	167	133	167	163	182	150	167	113	183	152
1872	160	125	250	150	167	133	167	163	182	150	167	113	183	152
1873	160	125	250	150	167	133	167	163	182	150	167	113	183	152
1874	160	125	250	150	167	133	167	163	182	150	167	113	183	152
1875	160	125	250	150	167	133	167	163	182	150	167	113	183	152
1876	160	125	250	150	167	133	167	163	182	150	167	113	183	152
1877	180	175	267	200	167	167	183	187	182	150	167	113	183	152
1878	160	175	200	175	167	167	150	200	182	150	167	113	183	152
1879	160	175	200	175	167	167	150	200	182	150	167	113	183	152
1880	160	175	200	175	167	167	150	200	182	150	167	113	183	152

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Pottery and Earthenware—(Con.).

	Ohio, East Liverpool, p. 302—(Con.)											N. J., Newark, p. 302.	O., Liverpool Township, p. 303.	
	Handler	Kiln-man	Laborer	Mold-maker	Packer	Presser	Sagger-maker	Thrower	Turner	Ware-house Man	Woman	Laborer	Brick-molder	Carpenter
Base wage	$2.00	$1.25	$1.00	$2.00	$1.50	$1.50	$1.50	$3.00	$2.00	$1.25	$0.50	$1.00	$1.50	$1.25
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	—	—	—
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	—	—	—	—	—	—	—	—	—	—	—	100	100	120
1863	113	160	150	125	150	133	167	117	113	160	150	150	100	120
1864	113	160	150	125	150	133	167	117	113	160	150	150	113	120
1865	125	180	175	175	167	150	183	133	125	160	160	150	117	140
1866	125	180	175	175	167	150	183	133	125	160	160	150	117	140
1867	125	180	175	175	167	150	183	133	125	160	160	150	125	140
1868	125	180	175	175	167	150	183	133	125	160	160	175	150	160
1869	125	180	175	175	167	150	183	133	125	160	160	175	167	160
1870	125	180	175	175	167	150	183	133	125	160	160	175	167	160
1871	113	160	150	150	167	133	167	100	113	160	160	175	133	160
1872	113	160	150	150	167	133	167	100	113	160	160	175	150	160
1873	113	160	150	150	167	133	167	100	113	160	160	175	150	160
1874	113	160	150	150	167	133	167	100	113	160	160	150	133	144
1875	113	160	150	150	167	133	167	100	113	160	160	150	133	140
1876	113	160	150	150	167	133	167	100	113	160	160	125	133	140
1877	113	160	150	150	167	133	167	100	113	160	160	125	117	136
1878	113	160	150	150	167	133	167	100	113	160	160	100	100	128
1879	113	160	150	150	167	133	167	100	113	160	160	100	100	120
1880	113	160	150	150	167	133	167	100	113	160	160	125	100	140

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Pottery—(Con.).				Tanneries.									
	Ohio, Liverpool Township, p. 303—(Con.).				N. Y., Binghamton, p. 312.								New York, p. 313.	
	Engineer	Foreman	Laborer	Miner	Beam Hand	Currier	Finisher	Handler Man	Shaver	Striker	Teamster	Yard Hand	Foreman	Laborer
Base wage	$1.10	$52.00	$1.00	$1.00	$1.00	$1.70	$1.25	$1.00	$1.70	$1.25	$.88	$1.00	$125.00	$1.37½
Year	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	—	—	—	—	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	118	120	100	118	120	100	100	100	100
1862	100	100	100	100	100	129	128	112	129	128	114	112	100	100
1863	100	100	120	110	125	141	140	150	141	140	127	150	100	100
1864	114	100	125	125	150	153	160	160	153	160	148	160	100	100
1865	114	113	140	135	165	153	140	160	153	140	142	160	100	100
1866	114	113	150	135	175	153	140	160	153	140	142	160	100	100
1867	114	113	160	135	175	153	140	160	153	140	142	160	100	100
1868	114	113	175	150	165	153	140	160	153	140	142	160	100	100
1869	114	113	150	175	165	153	140	160	153	140	142	160	100	100
1870	136	125	150	175	165	147	140	160	147	140	219	160	100	91
1871	182	160	150	175	165	147	140	160	147	108	219	160	100	91
1872	182	160	150	175	165	147	140	160	147	140	219	160	100	91
1873	182	160	150	175	165	147	140	160	147	140	219	160	100	91
1874	182	160	150	175	165	153	142	159	153	142	219	159	100	91
1875	182	144	135	175	168	174	138	146	174	138	219	146	100	91
1876	182	135	125	160	138	163	120	130	163	120	219	130	100	91
1877	159	125	115	150	133	129	118	124	129	118	219	124	100	91
1878	145	125	100	140	136	136	118	132	136	118	219	132	100	91
1879	136	125	110	130	132	140	118	127	140	118	219	127	100	82
1880	159	125	115	140	130	146	116	131	146	116	—	131	100	82

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Tanneries—(Con.).

	New York, Lancaster, p. 314.									N. Y., Oneida, p. 315.				
	Bark Grinder	Beam Hand	Engineer	Handler Man	Laborer	Roller	Teamster	Watchman	Yard Hand	Bark Grinder	Beam Hand	Engineer	Foreman	Laborer
Base wage	$.75	$.87½	$.87½	$.81	$.75	$.81	$.87½	$.87½	$.81	$.9233	$1.15	$1.15	$40.00	$.9233
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	167	171	171	169	167	185	171	171	154	100	100	100	100	100
1863	183	186	186	185	183	201	186	186	170	124	117	117	113	125
1864	183	186	186	185	183	201	186	186	170	124	117	117	113	125
1865	200	200	200	201	200	216	200	200	185	124	107	107	105	125
1866	200	200	200	201	200	216	200	200	185	146	117	117	113	125
1867	167	171	171	185	167	185	171	171	154	146	117	117	113	125
1868	167	171	171	185	167	185	171	171	154	146	117	117	125	125
1869	167	171	171	185	167	185	171	171	154	154	117	117	125	146
1870	—	171	200	—	167	185	—	—	—	146	134	134	130	146
1871	—	171	200	—	167	185	—	—	—	150	134	120	125	125
1872	—	171	200	—	167	185	—	—	—	150	134	120	125	125
1873	—	171	200	—	167	185	—	—	—	167	127	127	132	158
1874	—	171	200	—	167	185	—	—	—	167	127	134	135	158
1875	—	143	171	—	133	154	—	—	—	167	127	134	135	158
1876	—	143	171	—	133	154	—	—	—	146	117	117	113	125
1877	—	143	171	—	133	154	—	—	—	146	117	117	113	125
1878	—	143	171	—	133	154	—	—	—	146	100	117	100	125
1879	—	143	171	—	133	154	—	—	—	125	87	100	88	125
1880	—	—	—	—	—	—	—	—	—	125	100	100	88	108

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Tanneries—(Con.).

	P. 315—(Con.).	N. Y., Pike Pond, p. 316.								N. Y., Sanford, p. 316.				
	Yard Hand	Beam Hand	Foreman	Handler Man	Laborer	Roller	Teamster	Watchman	Yard Hand	Bark Grinder	Beam Hand	Currier	Engineer	Foreman
Base wage	$.9233	$.77	$25.00	$.73	$.69	$.85	$.73	$.65	$.69	$.75	$.77	$.72	$1.00	$2.24
Year	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	—	100	—	100	100	100	100	100	100	100	100	100
1861	100	—	100	—	100	—	—	—	—	100	104	100	100	100
1862	100	100	100	105	100	113	105	—	112	107	104	104	108	100
1863	125	—	100	—	100	—	—	—	—	133	149	132	135	107
1864	125	130	160	137	145	118	137	154	145	133	164	139	142	107
1865	125	149	180	158	167	135	158	177	167	133	175	139	154	107
1866	125	—	180	—	167	—	—	—	—	133	—	153	157	121
1867	125	—	180	—	167	—	—	—	—	133	—	153	157	121
1868	125	—	180	—	167	—	—	—	—	147	—	153	162	129
1869	125	—	180	—	167	—	—	—	—	147	—	153	169	129
1870	158	260	200	158	167	165	158	177	167	—	—	153	154	171
1871	150	260	200	—	167	—	—	—	—	—	—	153	154	171
1872	150	260	220	—	167	—	—	—	—	—	—	153	154	171
1873	158	260	200	158	167	165	158	177	—	—	175	153	154	171
1874	158	260	300	—	167	—	—	—	—	—	164	139	150	171
1875	158	260	300	137	167	135	158	154	145	—	—	139	150	171
1876	125	260	300	—	145	—	—	—	—	—	—	139	146	143
1877	125	260	300	—	145	—	—	—	—	—	—	139	135	143
1878	146	260	300	—	145	—	—	—	—	—	—	139	126	—
1879	125	260	300	—	145	—	—	—	—	—	—	139	123	—
1880	125	260	300	—	145	—	—	—	—	—	—	139	126	—

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Tanneries—(Con.).

	N. Y., Sanford, p. 316—(Con.)						N. Y., Wellsville, p. 318.							
	Handler Man	Laborer	Roller	Teamster	Watchman	Yard Hand	Bark Grinder	Beam Hand	Engineer	Foreman	Handler Man	Laborer	Roller	Teamster
Base wage	$.76	$.73	$.88	$.70	$.90	$.76	$.75	$1.00	$1.25	$50.00	$.75	$.75	$1.00	$1.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	102	100	100	100	100	100	100	100	100	100	100	100
1862	100	105	108	107	111	100	133	100	100	150	100	133	100	100
1863	132	158	125	107	139	132	133	100	100	150	133	167	100	125
1864	132	169	142	121	139	132	167	125	100	150	167	167	125	125
1865	164	173	159	136	167	164	167	125	120	200	167	200	125	150
1866	164	185	159	136	194	164	200	150	120	200	200	200	150	150
1867	164	173	159	136	167	164	200	150	120	200	200	200	150	150
1868	164	185	159	143	167	164	200	150	120	150	200	200	150	150
1869	164	178	159	143	167	164	200	150	120	150	200	200	150	150
1870	164	185	159	143	167	164	200	150	120	150	200	200	150	150
1871	164	178	159	143	167	164	167	150	100	200	167	133	125	125
1872	164	178	159	143	156	164	167	150	100	200	167	133	125	125
1873	164	178	159	143	156	164	167	150	120	200	167	167	125	125
1874	158	173	142	143	144	158	167	150	120	200	167	167	125	150
1875	158	173	142	143	144	158	167	150	120	200	167	167	150	150
1876	145	158	142	143	139	145	167	150	120	200	167	167	150	150
1877	145	132	142	143	111	145	167	150	120	200	167	167	150	125
1878	145	126	142	143	111	145	167	150	120	200	167	167	150	125
1879	145	121	142	143	111	145	167	150	120	200	167	167	150	125
1880	145	126	148	143	111	145	167	150	120	200	167	167	150	125

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

	Tanneries—(Con.).												Carpets	
	P. 318—(Con.).		Ohio, Cincinnati, p. 319.										Mass., p. 324.	
	Watchman	Yard Hand	Bark Grinder	Beam Hand	Currier	Engineer	Finisher	Handler Man	Laborer	Shaver	Watchman	Yard Hand	Carder	Carpenter
Base wage	$1.25	$1.00	$1.00	$1.25	$1.50	$1.58	$1.33	$1.08	$1.00	$1.66	$1.16	$1.08	$.39	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	—	100
1861	100	100	100	100	111	105	113	100	100	110	100	100	100	89
1862	100	100	83	93	100	116	106	100	83	100	72	100	103	100
1863	100	100	116	120	117	137	113	116	100	110	115	116	105	100
1864	100	125	133	160	133	147	162	185	166	140	158	185	133	117
1865	120	125	183	166	144	158	150	185	166	151	172	185	177	133
1866	120	150	183	173	155	168	162	216	166	160	172	185	187	133
1867	120	150	183	166	155	190	169	216	166	160	172	185	192	133
1868	120	150	183	166	167	190	169	246	166	160	172	169	179	133
1869	120	150	166	166	177	190	175	231	166	160	172	169	190	150
1870	120	150	166	166	177	190	175	231	166	160	172	169	190	150
1871	100	125	166	166	167	190	175	200	166	181	172	169	190	150
1872	100	125	175	166	167	190	175	200	166	181	172	169	192	150
1873	100	125	175	166	167	190	175	200	166	181	172	169	190	150
1874	100	125	166	160	167	190	169	193	150	160	172	162	169	145
1875	100	125	166	160	167	190	169	185	150	160	172	162	169	135
1876	120	125	166	151	156	158	169	185	150	138	158	152	146	128
1877	120	125	150	151	153	148	175	185	150	137	151	150	149	117
1878	120	125	150	148	150	148	175	185	150	136	151	149	141	111
1879	120	125	150	147	147	148	162	185	150	136	151	148	138	111
1880	120	125	150	143	144	137	162	185	150	136	151	146	154	117

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Carpets—(Con.).

P. 324—(Con.) Massachusetts.

	Dyer	Finisher	Laborer	Loom Fixer	Machinist	Picker Man	Reeler	Spinner	Spinner Jack	Spooler	Teamster	Twister	Warper	Weaver
Base wage	$1.38	$.57	$.83	$1.38	$1.50	$.83	$.45	$.49	$.73	$.43	$1.25	$.46	$.51	$.52
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	—	100	100	100	100	—	—	—	—	100	—	—	—
1861	100	100	100	100	89	100	100	100	100	100	100	100	100	100
1862	87	100	90	91	100	90	98	100	100	88	100	109	127	115
1863	109	102	111	100	109	100	109	98	110	102	106	107	122	125
1864	115	123	171	127	133	161	156	127	144	140	120	135	163	165
1865	127	191	181	139	150	171	202	198	160	237	134	196	241	229
1866	127	181	181	163	150	181	216	204	159	226	134	207	249	229
1867	127	182	181	163	150	181	213	210	169	226	140	226	245	250
1868	127	170	171	163	150	171	198	190	167	205	140	200	235	212
1869	127	172	181	163	150	181	202	192	166	221	160	191	227	215
1870	127	167	181	163	150	181	209	190	173	221	160	193	253	227
1871	127	167	181	163	150	181	200	194	190	228	160	193	273	219
1872	127	174	181	163	150	181	229	192	188	223	160	191	267	225
1873	145	172	181	163	150	181	238	194	189	221	160	193	239	238
1874	145	151	163	145	145	163	209	167	166	193	160	170	239	196
1875	145	144	163	135	135	152	202	157	160	179	155	152	208	173
1876	135	142	152	135	128	141	211	139	148	177	155	130	206	167
1877	127	151	135	122	117	128	204	137	159	170	140	133	194	162
1878	123	135	120	122	111	118	162	137	151	163	134	137	169	154
1879	123	144	120	122	111	118	176	139	140	163	134	135	157	163
1880	127	160	133	127	117	127	189	145	163	186	140	146	194	173

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Carpets—(Con.). P. 324—(Con.).		Cotton Manufacture. Conn., Willimantic, p. 333.											
	Winder	Wool Sorter	Back Boy	Carding Overseer	Card Stripper	Carpenter	Common Laborer	Drawer	Grinder	Machinist	Mule Spinner	Painter	Picker	Second Hand
Base wage	$.37	$1.10	$.3333	$50.00	$.8333	$1.50	$1.00	$.5833	$1.25	$1.50	$.8333	$1.50	$.8333	$1.25
Year	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	105	100	100	100	100	100	100	100	100	100	100	100	107
1862	100	114	100	120	100	100	100	100	100	100	100	100	100	120
1863	103	127	100	120	100	100	125	100	100	133	100	100	100	140
1864	132	168	175	130	150	133	150	123	100	150	150	100	140	140
1865	224	182	175	266	150	167	150	143	113	167	150	117	140	147
1866	230	182	175	266	150	167	150	143	120	183	160	133	150	147
1867	227	182	175	266	150	167	150	143	120	183	190	133	150	160
1868	200	182	150	160	150	167	150	143	120	167	180	133	150	160
1869	211	182	150	160	150	183	175	143	120	183	180	133	150	160
1870	205	182	150	200	150	183	150	143	120	183	200	167	150	160
1871	208	182	150	200	150	183	150	143	120	183	200	167	150	173
1872	216	182	150	200	150	183	150	143	120	183	200	167	150	173
1873	216	182	150	250	160	183	175	143	127	183	270	167	150	193
1874	197	182	150	250	160	183	150	143	127	183	270	167	150	200
1875	173	191	150	250	150	167	150	143	120	167	270	167	150	200
1876	184	155	150	250	150	167	150	143	120	167	270	167	150	200
1877	178	155	150	250	150	167	125	143	120	167	270	167	150	200
1878	176	136	150	250	150	167	125	143	120	167	270	167	150	200
1879	173	136	150	250	150	167	125	143	120	167	270	133	150	200
1880	205	168	150	250	150	167	125	143	120	167	270	133	150	200

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	P. 333—(Con.).			Connecticut, p. 336.										
Base wage Year	Speeder $.50 Day	Spinning Overseer $50.00 Month	Yard Hand $1.00 Day	Back Boy $.25 Day	Baler $.8333 Day	Carding, Spinning and Weaving Overseer $54.00 Month	Card Stripper $.75 Day	Carpenter $1.50 Day	Cloth Trimmer $.4167 Day	Common Laborer $1.00 Day	Doffer $.47½ Day	Drawer $.4167 Day	Dresser $1.29 Day	Folder $.87½ Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	83	100	100	112	108	100	100
1863	100	110	125	108	120	106	100	83	108	83	123	120	87	133
1864	133	130	150	108	120	106	100	100	120	100	123	120	116	133
1865	144	156	150	108	120	111	100	117	133	125	123	120	136	153
1866	178	182	150	133	140	128	156	150	150	133	149	160	174	171
1867	200	182	150	133	140	133	156	150	150	133	149	160	174	171
1868	217	200	150	133	140	144	156	150	160	100	149	160	174	171
1869	217	200	150	133	140	144	144	138	180	100	136	160	174	152
1870	217	200	175	133	140	144	144	138	180	100	136	160	174	152
1871	217	200	175	133	140	144	144	138	180	100	136	160	—	152
1872	217	200	175	150	140	144	156	147	200	125	149	180	—	171
1873	283	250	175	150	140	144	133	147	200	125	149	180	—	171
1874	217	250	175	150	140	144	133	133	200	113	149	180	—	171
1875	267	250	150	150	160	144	133	120	200	113	137	200	—	171
1876	267	250	150	133	140	144	117	111	200	100	129	160	—	162
1877	267	250	150	133	140	150	117	111	200	100	129	160	—	162
1878	267	250	150	133	150	150	117	100	180	92	134	180	—	162
1879	267	250	150	133	150	150	117	100	180	92	134	180	—	162
1880	267	250	150	150	160	150	122	106	220	100	145	190	—	171

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

Connecticut, p. 336—(Con.)

Base wage Year	Frame Spinner $.3333 Day	Grinder $1.1667 Day	Machinist $1.50 Day	Mule Spinner $1.05 Day	Painter $1.3333 Day	Picker $.75 Day	Second Hand $1.00 Day	Speeder $.50 Day	Spinning Section Hand $1.0833 Day	Spooler $.45 Day	Warper $.54 Day	Weaver $.77 Day	Weaving Section Hand $1.3333 Day	Web Drawer $.80 Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	84	100	100	100	100	100	100	100	100	94	94
1862	104	100	100	84	100	100	100	100	100	100	100	97	87	88
1863	133	100	94	89	100	89	100	100	115	100	108	91	87	83
1864	133	100	117	110	100	89	100	120	138	100	108	119	112	94
1865	133	100	150	127	106	89	125	150	161	100	108	130	131	115
1866	180	135	167	167	125	156	150	200	185	122	139	162	150	130
1867	180	135	167	167	125	156	150	200	185	122	139	162	150	130
1868	180	135	167	147	125	156	150	200	185	122	139	162	150	130
1869	160	129	163	143	119	144	150	193	185	111	170	168	150	141
1870	160	129	163	143	119	144	150	193	185	111	170	168	150	141
1871	160	129	163	152	119	156	150	193	185	111	170	168	150	141
1872	152	135	169	167	119	167	154	208	185	148	185	158	150	135
1873	152	135	169	167	119	167	150	208	185	148	176	162	150	135
1874	152	135	150	143	119	156	150	208	185	148	176	162	137	135
1875	152	114	144	119	119	144	138	183	177	139	176	162	131	135
1876	144	107	130	107	112	123	138	175	161	129	162	153	124	129
1877	144	107	130	107	112	123	138	175	161	129	162	153	124	129
1878	136	103	128	111	112	133	125	167	146	120	154	138	119	125
1879	136	103	128	111	112	133	125	167	146	120	154	138	119	125
1880	144	121	139	119	119	133	133	190	157	139	170	159	131	135

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	P. 336—(Con.).	Connecticut, p. 338.												
	Yard Hand	Back Boy	Baler	Carding, Spinning and Weaving Overseer	Card Stripper	Carpenter	Cloth Trimmer	Common Laborer	Doffer	Drawer	Folder	Machinist	Painter	Picker
Base wage	$.8333	$.25	$1.0833	$41.00	$.8333	$1.1667	$.46	$1.00	$.37	$.4167	$1.0833	$1.6667	$1.1667	$.8333
Year	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	104	100	115	109	100	101	120	100	95	107	100
1863	100	100	107	99	100	115	109	100	101	120	100	95	107	100
1864	120	100	107	102	130	121	109	108	107	141	100	95	107	120
1865	150	112	115	124	130	172	127	125	124	160	115	125	121	130
1866	160	116	123	134	140	186	181	125	146	180	115	125	136	140
1867	160	150	123	141	150	186	181	117	158	180	123	120	143	140
1868	120	150	115	141	140	186	181	117	158	180	123	120	150	130
1869	120	150	123	141	135	200	217	125	152	200	123	83	171	130
1870	120	150	123	141	150	214	217	125	141	200	123	113	171	130
1871	120	150	123	146	150	200	217	125	141	200	123	120	214	130
1872	144	150	138	146	160	200	217	125	141	200	138	120	214	130
1873	144	150	138	146	160	193	217	125	141	200	138	133	214	130
1874	135	150	138	161	150	214	217	125	135	180	138	150	214	140
1875	135	133	125	154	135	186	163	113	135	162	125	135	193	130
1876	120	133	125	161	135	182	163	105	135	160	125	135	193	130
1877	120	133	138	161	135	182	163	105	135	160	138	135	171	130
1878	120	133	138	161	130	150	163	100	135	160	138	126	171	130
1879	120	133	123	161	130	150	145	100	135	160	123	126	171	130
1880	130	150	123	161	130	171	154	108	152	170	123	143	171	130

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	Connecticut, p. 338—(Con.).								Del., Christiana Hundred, p. 340				Ind., Evansville, p. 341.	
	Speeder	Spinner	Spinning Section Hand	Spooler	Warper	Weaver	Weaving Section Hand	Web Drawer	Carpenter	Dresser	Mule Spinner	Weaver	In Cloth Room, Female	In Cloth Room, Male
Base wage	$.6667	$.7089	$.6667	$.45	$.75	$.9167	$1.1667	$.8333	$1.50	$1.32	$.9833	$.91⅜	$1.00	$1.50
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	—	—
1861	100	100	100	100	100	100	100	100	100	—	—	—	100	100
1862	100	106	113	100	100	100	143	100	100	—	—	—	100	100
1863	100	111	126	100	100	100	107	100	100	—	—	—	100	100
1864	113	123	150	111	122	100	107	100	123	—	—	—	100	100
1865	113	148	188	148	133	109	115	120	167	—	—	128	100	100
1866	138	153	226	148	167	119	143	140	167	—	153	145	100	100
1867	150	165	250	148	200	127	139	150	167	159	173	160	100	100
1868	150	159	250	148	200	132	150	150	167	196	158	146	100	100
1869	150	159	263	148	178	132	150	150	167	196	158	146	100	100
1870	150	159	263	148	161	132	150	150	167	196	158	146	100	100
1871	150	159	275	148	156	136	157	150	167	196	158	146	—	—
1872	163	162	275	148	160	127	157	140	167	196	160	146	—	—
1873	163	162	275	148	160	127	157	140	167	196	160	146	—	—
1874	150	150	275	148	156	127	150	135	153	177	153	131	—	—
1875	131	138	275	143	133	123	150	130	153	177	153	131	—	—
1876	131	138	275	143	133	123	150	130	143	159	149	118	85	92
1877	131	138	275	143	133	127	150	130	140	159	149	118	85	80
1878	131	132	275	143	122	127	150	130	140	159	137	118	80	80
1879	131	132	275	143	122	127	136	130	133	143	137	106	80	78
1880	144	141	275	148	133	127	150	135	150	160	144	109	80	75

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	P. 341—(Con.).		Maine, p. 343.											
Base wage Year	Repairer $1.75 Day	Weaver, Female $1.05 Day	Back Boy $.30 Day	Carding, Spinning and Weaving Overseer $65.00 Month	Card Stripper $.75 Day	Carpenter $1.33 Day	Dresser $1.00 Day	Frame Spinner $.54 Day	Grinder $1.08 Day	Machinist $1.50 Day	Mule Spinner $1.22 Day	Painter $1.50 Day	Picker $.75 Day	Second Hand $1.50 Day
1860	—	—	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	83	100	100	125	100	107	100	100	99	—	100	100
1862	100	100	83	102	100	102	83	96	93	90	82	58	100	77
1863	100	100	83	102	100	102	83	96	93	90	82	58	100	77
1864	100	100	110	110	133	119	88	107	108	110	119	—	133	112
1865	100	143	110	120	167	159	115	135	146	155	116	139	167	133
1866	100	143	110	120	167	159	115	135	146	155	116	139	167	133
1867	100	143	127	120	167	159	167	141	155	155	169	142	167	133
1868	100	143	117	120	167	167	174	141	162	148	142	142	167	133
1869	100	143	127	120	167	159	167	141	155	155	169	142	167	133
1870	103	143	117	120	156	188	155	148	169	150	142	133	156	140
1871	—	—	117	125	156	188	172	148	162	150	151	158	139	145
1872	100	100	117	120	156	188	192	—	162	150	143	150	148	150
1873	—	—	117	120	156	188	200	—	162	155	162	149	147	150
1874	—	—	117	140	156	169	174	152	162	145	147	133	145	145
1875	—	—	117	140	156	169	174	152	162	145	147	133	145	145
1876	157	79	117	133	133	150	160	148	162	142	151	133	149	161
1877	147	79	117	134	112	150	127	133	151	133	135	127	133	145
1878	140	90	117	137	109	150	167	133	153	133	124	127	129	145
1879	129	86	107	130	107	138	164	126	136	122	123	100	100	139
1880	129	86	107	127	109	135	152	126	139	122	123	107	100	133

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	Maine, p. 343—(Con.).						Mass., Chicopee Falls, p. 347.								
	Spooler	Warper	Weaver	Weaving Section Hand	Web Drawer	Yard Hand	Carding, Spinning and Weaving Overseer	Card Stripper	Drawer	Grinder	Picker	Slasher	Spinner, Female	Spinning Section Hand
Base wage	$.54	$.65	$.75	$1.17	$.63	$1.00	$42.81	$.64	$.41	$.97	$.72	$1.08	$.51½	$.82
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	—	—	100	—	—	—	—	—	—	—	—
1861	96	108	80	100	100	100	100	100	100	100	100	100	100	100
1862	100	92	84	96	102	80	100	100	98	99	90	96	100	121
1863	100	92	84	96	102	80	103	117	121	114	104	127	115	141
1864	109	98	107	120	121	106	117	176	121	136	144	144	126	178
1865	143	108	120	—	108	140	126	179	129	148	175	156	135	188
1866	143	108	120	—	108	140	145	195	178	169	175	181	195	212
1867	141	142	133	150	157	150	156	195	187	175	175	185	181	224
1868	141	138	128	163	146	125	150	172	148	156	149	176	163	206
1869	141	142	133	150	157	150	149	176	161	155	151	181	168	211
1870	157	185	153	—	—	150	154	176	162	155	152	172	161	199
1871	152	194	175	192	146	142	148	173	160	159	151	171	159	203
1872	176	209	175	192	189	133	151	176	170	161	153	208	162	195
1873	176	229	187	192	179	133	157	195	163	159	174	208	190	218
1874	157	197	173	—	176	133	143	169	168	137	150	177	153	213
1875	157	197	173	—	176	133	157	143	144	155	132	150	142	201
1876	152	166	176	171	191	125	148	145	146	140	132	143	129	195
1877	148	168	175	150	132	117	166	134	146	130	125	131	126	174
1878	157	186	153	150	137	108	169	134	142	134	137	131	125	167
1879	150	169	161	145	157	100	143	133	137	126	118	125	115	164
1880	143	178	167	—	—	117	151	142	151	134	118	136	126	166

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	P. 347—(Con.).		Massachusetts, p. 351.											
	Warper Girl	Weaver Girl	Back Boy	Carding Overseer	Card Stripper	Carpenter	Cloth Trimmer	Common Laborer	Doffer	Drawer	Drawer-in	Dresser	Dyer	Frame Spinner
Base wage	$.52	$.56½	$.29	$3.00	$.83	$1.75	$.47	$1.00	$.47½	$.53	$.80	$1.74	$1.00	$.53
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	—	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	109	100	100	86	100	100	100	96	115	106	100	108
1862	103	86	109	100	100	86	100	100	84	96	111	113	100	104
1863	114	104	109	100	100	100	100	100	87	96	104	101	100	109
1864	126	136	112	100	135	114	100	125	105	113	103	105	132	111
1865	135	155	136	104	163	129	100	150	132	127	100	124	160	130
1866	178	219	147	117	187	134	100	163	158	156	150	130	175	168
1867	178	243	159	117	184	143	100	157	163	165	171	143	175	162
1868	159	211	159	117	181	157	100	153	116	158	156	124	163	160
1869	159	205	147	117	181	157	100	157	126	158	154	144	163	162
1870	167	214	167	117	181	157	100	157	116	158	176	163	170	160
1871	173	221	181	117	185	157	100	157	141	158	181	224	170	189
1872	188	227	181	117	185	157	100	157	156	158	184	173	170	198
1873	187	243	181	117	185	157	100	169	144	158	189	177	170	206
1874	135	212	190	125	185	157	100	175	140	158	194	165	170	191
1875	157	188	190	133	172	154	100	168	131	146	189	142	170	175
1876	147	175	190	133	172	143	166	168	133	142	156	153	160	177
1877	149	164	179	133	166	143	166	168	120	126	159	126	150	153
1878	144	159	179	133	166	143	164	150	126	126	165	129	150	162
1879	140	151	179	133	154	129	168	130	126	126	179	124	135	151
1880	145	174	179	133	151	143	135	130	122	126	154	125	135	168

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

Massachusetts, p. 351—(Con.)

	Grinder	Lap-head Tender	Machinist	Mule Spinner	Painter	Picker	Quiller	R. W. Head Tender	Reeler	Scrubber	Second Hand	Speeder	Spinning Overseer	Sweeper
Base wage	$1.25	$.75	$1.40	$.40	$1.75	$1.08½	$.57	$.75	$.66	$.55	$1.62½	$.60	$3.00	$.55
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	110	125	100	88	96	100	120	100	100	98	100	100
1862	100	100	102	130	100	88	104	100	145	105	100	98	100	105
1863	100	100	111	118	100	98	100	100	132	105	92	98	100	105
1864	112	133	119	145	103	122	128	120	130	115	115	113	100	115
1865	128	167	142	153	114	134	131	167	129	109	138	129	104	109
1866	140	200	168	203	120	152	160	187	149	152	162	154	108	152
1867	140	200	169	192	143	152	175	187	161	132	162	163	117	132
1868	133	191	163	195	143	145	170	179	159	132	169	163	117	132
1869	133	191	161	182	143	145	172	179	168	130	169	163	117	130
1870	133	191	166	355	143	145	188	179	170	132	169	167	117	132
1871	140	191	164	563	143	153	181	179	230	150	169	167	117	150
1872	140	191	164	563	143	153	188	179	214	141	169	167	117	141
1873	140	191	164	563	143	153	191	179	220	150	169	192	117	150
1874	140	191	166	563	157	153	212	179	211	143	169	192	125	143
1875	127	181	153	513	143	139	186	171	168	135	154	175	133	135
1876	127	181	154	513	143	139	177	171	156	135	154	175	133	135
1877	120	169	154	475	143	129	177	160	156	131	166	158	133	131
1878	120	169	157	475	143	129	179	160	159	131	154	158	133	131
1879	112	153	143	438	143	120	168	143	147	129	160	150	133	129
1880	120	153	141	438	129	129	182	153	153	134	160	165	133	131

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	Massachusetts, p. 351—(Con.).								Massachusetts, p. 353.					
	Warper	Watchman	Weaver	Weaving Overseer	Weaving Section Hand	Winder	Yard Hand	Yard Man	Dresser	Machinist	Spinner	Spinning Overseer	Spooler	Warper
Base wage	$.73	$1.1667	$.94	$3.00	$1.52	$.59	$1.00	$1.00	$1.55¾	$1.7333	$.61½	$45.00	$.55¾	$.55¾
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	134	100	106	100	109	115	100	100	104	100	100	100	110	110
1862	130	100	96	100	95	136	100	100	104	100	100	100	110	110
1863	108	100	72	100	96	115	100	100	104	100	100	100	110	110
1864	101	107	97	100	111	134	125	125	104	100	106	100	110	110
1865	142	115	118	104	116	159	150	150	123	122	106	122	117	117
1866	144	134	153	133	126	176	163	163	123	122	106	122	117	117
1867	175	140	170	117	126	264	157	157	123	122	106	122	117	117
1868	181	140	162	133	126	183	153	153	123	122	106	122	117	117
1869	190	140	156	133	126	192	157	157	123	122	106	122	117	117
1870	185	140	176	133	126	183	157	157	128	144	156	144	172	172
1871	201	140	174	133	152	217	157	157	128	144	156	144	172	172
1872	215	140	182	133	152	229	157	157	128	144	156	144	172	172
1873	233	146	194	133	152	229	169	169	128	144	156	144	172	172
1874	223	146	172	133	152	219	175	175	128	144	156	144	172	172
1875	221	146	161	133	151	195	168	168	123	89	132	133	145	145
1876	222	146	161	133	151	180	168	168	123	89	132	133	145	145
1877	173	146	144	133	144	166	168	168	123	89	132	133	145	145
1878	179	146	145	133	144	173	150	150	123	89	132	133	145	145
1879	158	130	133	133	135	166	130	130	123	89	132	133	145	145
1880	169	137	140	133	144	178	130	130	123	89	132	133	145	145

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	P. 353—(Con.).	New Hampshire, Concord, p. 355.												
	Yard Hand	Back Boy	Carding Overseer	Card Stripper	Cloth Trimmer	Common Laborer	Day Watchman	Doffer	Drawer	Dresser	Frame Spinner	Grinder	Loom Fixer	Machinist (Iron)
Base wage	$1.1533	$.25	$32.00	$.70	$.46	$1.00	$1.00	$.25	$.45	$1.3333	$.46	$.95	$.96	$1.5833
Year	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	105
1862	100	100	94	95	100	92	92	100	100	100	100	96	86	105
1863	100	100	94	95	100	92	92	100	100	100	100	96	86	105
1864	100	100	113	119	109	100	116	100	111	106	109	123	130	116
1865	100	120	150	179	136	100	133	120	148	125	117	158	156	142
1866	100	120	225	179	163	125	150	120	148	150	181	175	182	158
1867	100	120	225	179	181	125	150	120	148	163	181	184	191	158
1868	100	120	187	179	163	125	150	120	148	150	172	175	182	158
1869	100	120	206	179	163	125	175	120	148	150	163	175	182	189
1870	120	120	206	167	163	125	175	132	148	150	163	175	174	189
1871	120	120	206	179	181	125	175	132	148	—	163	175	174	189
1872	120	120	225	179	181	125	158	132	158	—	163	184	174	189
1873	120	120	225	179	163	125	200	132	158	—	163	184	156	189
1874	120	120	225	179	163	125	200	132	148	—	145	175	156	189
1875	100	120	225	167	145	125	200	132	148	—	145	175	156	189
1876	100	120	187	143	145	125	175	132	148	—	136	158	156	189
1877	100	120	169	143	145	125	175	132	148	—	136	149	139	189
1878	100	120	150	119	117	125	142	132	148	—	117	136	130	158
1879	100	120	137	113	117	125	133	132	130	—	109	132	126	142
1880	100	120	169	131	136	125	159	132	148	—	136	154	156	158

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

New Hampshire, Concord, p. 355—(Con.)

	Machinist (Wood)	Mule Spinner	Night Watchman	Picker	Second Hand	Speeder	Spinning Overseer	Spinning Section Hand	Spooler	Warper	Weaver	Weaving Overseer	Weaving Section Hand	Web Drawer
Base wage	$1.3333	$1.0833	$1.1667	$.8333	$1.00	$.50	$34.00	$.92	$.4167	$.50	$.62½	$38.00	$.92	$.62½
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Month	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	112	100	100	100	100	100	94	100	111	117	106	95	100	100
1862	112	100	93	100	92	100	88	100	111	133	106	84	100	94
1863	112	100	115	100	92	100	88	100	111	133	106	84	100	94
1864	119	115	115	140	100	117	124	109	120	150	120	116	109	120
1865	131	153	129	160	125	142	147	136	141	167	134	126	136	146
1866	187	184	143	160	125	167	176	136	160	200	174	158	136	154
1867	187	177	157	160	150	167	212	163	180	233	187	189	136	160
1868	181	169	161	150	150	183	212	163	160	200	187	189	136	160
1869	175	169	161	150	150	183	212	163	160	200	200	189	136	160
1870	150	185	161	150	150	183	212	163	160	200	200	189	163	160
1871	150	185	161	160	150	200	153	163	160	208	187	189	163	160
1872	169	188	171	160	150	200	176	163	160	200	200	189	163	160
1873	169	188	171	160	150	200	176	163	160	200	200	189	163	160
1874	169	185	171	160	150	200	176	163	150	183	187	189	163	160
1875	169	177	171	160	150	200	176	163	150	183	187	189	163	160
1876	150	162	157	150	150	167	159	163	140	158	160	189	163	147
1877	150	154	157	145	150	167	159	163	140	158	160	189	163	147
1878	125	127	129	120	150	142	141	163	120	133	133	158	163	126
1879	119	119	121	115	150	133	129	163	110	133	126	158	163	126
1880	138	131	147	130	150	160	159	163	130	158	147	174	163	147

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	P. 355—(Con.).	New Hampshire, Dover, p. 357.												
	Yard Hand	Back Boy	Carding Overseer	Card Stripper	Carpenter	Doffer	Drawer	Dresser	Frame Spinner	Grinder	Machinist	Mule Spinner	Painter	Picker
Base wage	$1.00	$.26	$66.00	$.83	$1.50	$.32	$.24	$.56	$.35	$1.08	$1.50	$.85	$1.42	$.75
Year	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	104	89	81	89	84	88	89	89	82	89	100	94	89
1862	92	104	73	90	93	78	88	80	71	93	93	87	94	100
1863	92	—	—	—	117	—	—	—	—	—	117	—	94	—
1864	100	115	91	151	133	103	104	95	94	139	133	101	141	167
1865	100	146	109	151	133	94	96	104	94	139	133	124	141	167
1866	125	192	127	160	158	172	125	179	160	155	158	176	141	177
1867	125	192	127	160	167	172	137	179	151	155	167	192	141	177
1868	125	192	127	120	167	141	137	179	143	155	167	188	158	177
1869	125	192	127	120	167	150	137	179	149	155	167	208	158	177
1870	125	192	127	141	167	144	137	155	166	155	167	180	158	177
1871	125	192	145	160	167	141	137	—	177	155	167	182	158	177
1872	125	192	145	160	167	137	146	—	174	155	167	176	158	177
1873	125	192	145	160	167	137	150	—	174	155	167	188	158	177
1874	125	192	145	160	150	91	125	—	143	155	150	188	141	177
1875	125	181	145	120	150	241	288	—	251	130	150	185	141	133
1876	125	188	145	120	140	197	275	—	206	130	140	156	123	133
1877	125	169	145	120	140	178	262	—	203	130	140	167	123	133
1878	125	142	145	120	120	178	262	—	194	130	120	132	123	133
1879	125	142	145	120	120	187	262	—	189	130	120	124	123	133
1880	125	162	145	120	120	181	262	—	211	130	120	124	123	133

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	New Hampshire, Dover, p. 357—(Con.)									New Hampshire, p. 358.				
	Second Hand	Speeder	Spinning Overseer	Spooler	Warper	Weaver	Weaving Overseer	Web Drawer	Yard Hand	Back Boy	Baler	Carding Spinning and Weaving Overseer	Card Stripper	Carpenter
Base wage	$1.25	$.39	$66.00	$.19	$.42	$.36	$48.00	$.39	$.83	$.35	$1.00	$65.00	$.83	$1.58
Year	Day	Day	Month	Day	Day	Day	Month	Day	Day	Day	Day	Month	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	90	95	73	121	95	86	88	92	100	100	100	100	96	100
1862	100	85	73	84	69	75	100	87	100	100	100	100	96	100
1863	—	—	—	—	—	—	—	—	120	100	100	100	96	100
1864	120	103	91	137	81	94	125	87	151	100	117	100	100	100
1865	120	100	109	253	107	100	150	113	151	117	133	120	160	111
1866	160	131	127	247	138	258	163	164	181	117	137	120	160	111
1867	160	144	127	226	124	292	175	213	181	117	142	120	160	111
1868	160	138	127	226	129	186	175	187	181	117	142	120	160	111
1869	160	172	127	189	126	214	175	177	181	117	142	120	160	111
1870	160	154	127	195	164	194	175	179	181	143	142	126	160	111
1871	160	172	145	221	164	194	200	205	181	143	142	126	160	111
1872	160	172	145	274	150	206	200	195	181	143	142	126	160	111
1873	160	172	145	226	150	208	200	187	181	143	142	126	160	111
1874	160	149	145	179	129	186	200	151	181	143	142	126	160	111
1875	160	262	145	411	219	319	200	244	181	129	142	140	139	111
1876	160	228	145	358	214	269	200	236	163	129	130	140	139	111
1877	160	215	145	326	193	236	200	226	163	129	125	140	139	111
1878	160	251	145	305	274	222	200	236	139	129	120	140	139	111
1879	160	238	145	337	298	242	200	249	139	129	120	140	139	111
1880	160	244	145	384	298	242	200	290	151	129	120	140	133	111

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

New Hampshire, p. 358—(Con.).

	Cloth Trimmer	Common Laborer	Doffer	Drawer	Dresser	Folder	Frame Spinner	Grinder	Machinist	Mule Spinner	Painter	Picker	Second Hand	Speeder
Base wage	$.56	$1.08	$.50	$.50	$.83	$1.00	$.54	$1.1667	$2.25	$1.00	$1.33	$.87	$1.50	$.83
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	103	100	66
1862	100	100	100	100	100	100	100	100	100	100	100	109	100	72
1863	100	100	100	100	100	100	100	100	100	100	113	109	100	72
1864	120	100	120	108	121	117	100	107	100	100	126	129	100	96
1865	134	116	170	150	121	125	185	129	89	142	126	153	100	120
1866	141	116	200	184	193	133	185	135	89	142	126	153	133	133
1867	141	116	220	184	181	142	185	135	89	142	126	153	133	133
1868	164	116	220	184	175	142	185	135	89	142	126	153	133	141
1869	164	116	220	184	175	142	185	135	89	142	126	153	133	141
1870	164	123	220	184	175	142	185	135	89	142	126	153	133	141
1871	164	123	200	184	171	142	217	135	89	142	138	153	133	141
1872	164	123	220	184	171	142	217	135	89	142	138	153	133	141
1873	164	123	220	184	171	142	217	129	89	142	138	153	133	141
1874	152	123	220	174	171	142	217	129	89	142	128	153	133	120
1875	152	106	190	174	171	142	185	129	89	165	128	132	133	120
1876	143	106	186	174	171	130	185	120	89	165	128	132	133	120
1877	134	106	166	174	171	125	185	120	89	165	128	132	133	120
1878	125	106	166	174	135	120	185	120	89	165	128	132	133	100
1879	125	106	166	174	157	120	185	120	89	165	128	132	133	90
1880	125	106	160	174	181	120	152	120	89	155	128	126	133	90

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

	New Hampshire, p. 358—(Con.).						New York, Cohoes, p. 362.							
	Spinning Section-hand	Spooler	Warper	Weaver	Weaving Section-hand	Web-drawer	Back Boy	Baler	Carding Overseer	Card-stripper	Carpenter	Cloth-room Overseer	Cloth Trimmer	Common Laborer
Base wage	$1.12½	$0.54	$0.54	$0.92	$1.33	$0.83	$0.30	$0.80	$58.50	$0.70	$1.62	$1.12½	$0.50	$0.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	130	100	100	100	84	100	100	100	100	100	100	100	100
1862	100	130	111	89	100	84	100	100	100	100	100	100	100	100
1863	100	130	111	89	100	84	100	100	100	104	100	100	100	133
1864	111	130	111	114	100	90	150	110	122	108	108	100	108	150
1865	126	170	207	138	119	120	167	118	133	125	123	133	116	167
1866	126	170	207	138	132	139	183	125	178	125	139	156	125	167
1867	126	170	207	138	132	139	207	138	178	179	139	178	166	167
1868	133	170	207	138	132	139	207	138	178	179	139	178	166	167
1869	133	170	207	138	132	139	207	138	178	179	139	178	166	167
1870	148	170	217	136	132	139	167	138	178	179	139	178	166	167
1871	148	170	217	136	132	139	167	138	178	179	139	178	166	167
1872	148	170	217	136	132	139	167	138	178	179	139	178	166	167
1873	148	170	217	136	132	139	167	138	178	179	139	178	166	167
1874	142	170	217	136	132	139	150	125	178	171	123	178	160	167
1875	142	157	185	120	132	139	150	125	178	171	123	178	160	167
1876	142	157	185	120	132	139	140	125	178	143	123	156	150	150
1877	142	157	185	120	120	139	133	113	178	136	108	142	132	133
1878	142	157	185	120	120	139	133	113	178	136	108	142	132	133
1879	142	157	185	120	120	139	125	113	156	129	100	133	120	133
1880	133	167	170	120	117	133	140	125	178	143	123	156	140	150

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

New York, Cohoes, p. 362—(Con.).

	Doffer	Drawer	Dresser	Frame Spinner	Folder	Grinder	Lap-boy	Lapper	Machinist	Mule Spinner	Painter	Picker	Piecer Mule	Pressman
Base wage	$0.50	$0.62½	$2.00	$0.56	$0.50	$0.87½	$0.33	$0.70	$2.00	$1.00	$1.50	$0.78¾	$1.00	$1.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	112	104	100	111	100	100	115	100	100	100	100	100	100	100
1864	112	106	113	111	108	111	127	107	113	155	117	111	155	113
1865	112	106	125	111	116	135	136	143	125	170	133	142	170	125
1866	124	133	125	125	125	157	152	196	138	180	150	175	180	138
1867	136	147	138	134	166	171	176	196	138	210	150	175	210	125
1868	136	147	138	134	166	171	176	196	138	210	150	175	210	125
1869	136	147	138	134	166	171	176	196	138	210	150	175	210	125
1870	136	147	138	134	166	171	176	196	138	210	150	175	210	125
1871	136	147	138	134	166	171	176	196	138	210	150	175	210	125
1872	136	147	—	134	166	171	176	196	138	210	150	175	210	125
1873	136	147	—	134	166	171	176	196	138	210	150	175	210	125
1874	124	133	—	121	160	157	152	179	125	200	133	159	200	125
1875	124	133	—	121	160	157	152	179	125	200	133	159	200	125
1876	112	128	—	111	150	143	136	143	125	175	133	127	175	113
1877	100	112	—	100	132	137	127	136	113	165	117	121	165	100
1878	100	112	—	100	132	137	127	136	113	165	117	121	165	100
1879	92	99	—	89	120	131	121	129	100	150	108	114	150	100
1880	112	120	—	111	140	143	136	143	125	175	133	127	175	125

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Cotton Manufacture—(Con.).

New York, Cohoes, p. 362—(Con.). | Phil., Penn., p. 365.

	Second Hand	Slubber	Speeder	Spinning Overseer	Spinning Section-hand	Spooler	Spreader	Warper	Watchman	Weaving Overseer	Weaving Section-hand	Yard-hand	Carding Overseer	Common Laborer
Base wage	$1.31¼	$0.65	$0.65	$55.25	$1.50	$0.62	$0.50	$0.70	$0.83¾	$65.00	$1.37½	$0.75	$80.00	$1.50
Year	Day	Day	Day	Month	Day	Day	Day	Day	Day	Month	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	106	115	115	100	100	110	125	89	112	100	100	133	100	100
1864	138	115	115	112	117	110	140	107	123	110	118	150	100	100
1865	133	115	115	112	133	110	150	114	145	120	127	167	100	100
1866	157	154	173	129	133	121	200	131	164	140	145	167	100	100
1867	171	173	192	171	150	131	200	207	164	130	155	167	100	100
1868	171	173	192	171	150	131	200	207	164	130	155	167	100	100
1869	171	173	192	171	150	131	200	207	164	130	155	167	100	100
1870	171	173	192	170	150	131	200	207	164	130	155	167	100	100
1871	171	173	192	170	150	131	200	207	164	130	155	167	100	100
1872	171	173	192	171	150	131	200	207	164	130	155	167	100	100
1873	171	173	192	171	150	131	200	207	164	130	155	167	100	100
1874	171	154	169	165	150	121	180	179	164	130	145	167	100	100
1875	171	154	169	165	150	121	180	179	164	130	145	167	100	100
1876	143	135	154	165	133	110	140	157	156	120	145	150	100	100
1877	143	123	138	165	120	100	130	143	149	120	145	133	100	100
1878	143	123	138	165	120	100	130	143	149	120	145	133	100	100
1879	128	115	128	147	108	90	120	129	134	100	127	133	100	100
1880	143	128	154	165	133	110	140	157	149	120	145	150	100	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Cotton Manufacture—(Con.). Pennsylvania, Philadelphia, p. 365—(Con.).											The Woolen Industry. Ill., Springfield, p. 383.		
	Folder	Grinder	Machinist	Mule Spinner	Picker	Second Hand	Spinning Overseer	Spinning Section-hand	Weaver	Weaving Overseer	Web-drawer	Carder	Carder Boy	Dyer
Base wage	$1.50	$1.50	$2.50	$2.50	$1.50	$1.50	$60.00	$1.6667	$1.50	$60.00	$1.50	$1.50	$0.75	$2.00
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Month	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	—
1861	100	100	100	100	100	100	100	100	100	100	100	87	80	100
1862	100	100	100	100	100	100	100	100	100	100	100	87	80	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	100	100	100	100	100	100	100	100	100	100	100	167	107	125
1865	100	100	100	100	100	100	100	100	100	100	100	183	107	150
1866	100	100	100	100	100	100	100	100	100	100	100	183	107	150
1867	100	100	100	100	100	100	100	100	100	100	100	190	107	150
1868	100	100	100	100	100	100	100	100	100	100	100	183	100	175
1869	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1870	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1871	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1872	100	100	100	100	100	100	100	100	100	100	100	183	100	150
1873	100	100	100	100	100	100	100	100	100	100	100	200	100	150
1874	100	100	100	100	100	100	100	100	100	100	100	200	100	150
1875	100	100	100	100	100	100	100	100	100	100	100	200	100	150
1876	100	100	100	100	100	100	100	100	100	100	100	200	90	150
1877	100	100	100	100	100	100	100	100	100	100	100	200	83	150
1878	100	100	100	100	100	100	100	100	100	100	100	167	83	125
1879	100	100	100	100	100	100	100	100	100	100	100	167	83	125
1880	100	100	100	100	100	100	100	100	100	100	100	183	83	138

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.).

	Illinois, Springfield, p. 383—(Con.).								Illinois, p. 384.					
Base wage Year	Engineer $1.25 Day	Finisher $1.50 Day	Laborer $1.00 Day	Overseers of Different Depts. $35.75 Month	Picker $0.75 Day	Spinner $1.40 Day	Weaver $1.25 Day	Wool Sorter $1.25 Day	Carder $0.50 Day	Engineer $2.25 Day	Foreman $58.50 Month	Spinner $0.50 Day	Spooler $0.50 Day	Sup't. $65.00 Month
1860	100	100	100	100	100	100	100	—	100	100	100	100	100	100
1861	128	100	100	123	133	93	120	100	100	100	100	100	100	100
1862	128	100	100	123	133	93	100	100	100	100	111	100	100	100
1863	140	117	100	127	133	100	120	120	100	100	111	100	100	120
1864	160	150	125	155	167	143	140	160	100	100	111	100	100	120
1865	200	133	125	200	200	179	200	220	120	100	111	120	100	120
1866	200	150	150	209	200	179	160	220	120	100	111	120	100	160
1867	200	143	150	213	200	170	140	170	120	100	111	120	100	160
1868	200	133	125	227	200	161	130	160	120	100	111	120	100	160
1869	200	133	125	227	167	161	120	160	120	100	111	120	100	160
1870	200	133	125	209	167	161	228	160	120	122	122	120	120	160
1871	220	200	125	209	167	143	110	160	120	122	122	120	120	160
1872	220	200	125	209	167	143	110	160	120	122	122	120	120	160
1873	240	200	125	218	133	57	110	180	120	122	122	120	120	160
1874	220	200	125	218	133	71	116	200	120	122	122	120	120	160
1875	220	200	125	218	133	64	116	200	120	122	122	120	120	200
1876	200	200	125	218	133	64	100	180	120	122	122	120	120	200
1877	200	200	125	218	133	57	106	180	120	122	122	120	120	200
1878	200	200	125	182	120	64	108	160	120	122	122	120	120	200
1879	200	200	125	182	133	64	118	160	120	122	122	120	120	200
1880	220	200	125	200	167	64	120	180	—	—	—	—	—	—

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.).

	P. 384—(Con.).		Indiana, Indianapolis, p. 386.											
	Weaver	Wool-sorter	Carder	Carder Boy	Dyer	Dyer's Helper	Engineer	Finisher	Fuller	Gigger	Laborer	Loom Fixer	Overseers in Different Depts.	Picker Boy
Base wage	$1.00	$2.00	$1.75	$0.75	$1.50	$1.00	$1.50	$1.50	$1.50	$1.25	$1.00	$1.66	$39.00	$0.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	125	114	100	100	100	100	108	111	100	100	100	111	100
1862	100	125	114	100	133	125	100	108	133	120	100	120	133	100
1863	100	125	129	100	133	125	100	108	133	120	100	120	133	100
1864	100	125	143	100	200	150	133	167	150	120	150	120	167	100
1865	125	125	143	100	200	150	133	200	150	120	200	151	200	100
1866	125	125	143	100	200	150	167	200	150	120	200	151	200	100
1867	125	125	143	100	200	150	167	200	150	120	200	151	200	100
1868	125	125	157	100	150	125	167	150	150	120	150	151	175	100
1869	125	125	157	100	150	125	167	150	150	120	150	151	175	100
1870	125	138	157	80	150	125	167	150	150	120	150	151	175	89
1871	125	138	157	80	150	125	167	150	150	120	150	151	176	100
1872	125	138	157	80	167	150	133	167	150	120	167	151	233	100
1873	125	138	157	80	167	150	133	167	150	120	167	151	217	100
1874	125	138	157	80	167	150	133	167	150	120	167	151	217	100
1875	125	138	157	80	167	150	133	167	150	120	167	151	217	100
1876	125	138	157	80	133	150	133	133	150	120	150	151	192	100
1877	125	138	171	80	133	150	133	133	150	120	125	151	175	100
1878	125	138	171	80	133	150	133	133	150	120	125	151	175	100
1879	125	138	171	80	133	150	133	133	150	120	125	151	175	100
1880	—	—	186	80	133	150	133	133	150	120	125	151	175	100

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.).

	Indiana, Indianapolis, p. 386—(Con.).						Maine, Dover, p. 389.							
	Scourer	Shearer	Spinner	Warper	Weaver Girl	Wool Sorter	Carder Boy	Carpenter	Dyer	Dyer's Helper	Foreman	Fuller	Laborer	Loom Fixer
Base wage	$1.25	$1.50	$1.25	$1.25	$0.6667	$1.25	$0.50	$1.33	$1.33	$1.00	$39.00	$1.00	$1.00	$1.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	111	120	100	100	120	100	100	100	100	100	105	100	110
1862	120	133	160	100	100	120	110	113	113	110	100	110	100	133
1863	120	133	160	100	150	120	120	113	113	115	115	125	110	133
1864	120	150	160	100	150	133	150	150	132	125	141	150	133	133
1865	120	150	200	100	150	133	180	169	141	150	154	175	150	150
1866	120	150	200	100	150	133	180	169	141	150	154	175	150	150
1867	120	150	200	120	150	133	180	169	139	150	154	175	150	150
1868	120	150	200	120	163	133	170	169	139	150	167	150	150	150
1869	120	150	160	120	163	133	170	169	132	150	167	150	150	150
1870	120	150	160	120	163	160	170	169	132	150	167	150	150	150
1871	120	150	160	120	163	160	170	169	132	150	167	150	150	150
1872	120	150	180	120	163	160	170	169	141	150	192	150	150	150
1873	120	150	160	120	163	160	170	169	150	150	205	150	150	150
1874	120	150	160	120	163	160	170	169	150	150	205	150	150	145
1875	120	150	160	120	163	160	172	169	141	142	205	142	140	145
1876	120	150	160	120	163	160	170	169	143	135	205	135	140	125
1877	120	150	160	120	163	160	170	150	150	135	205	135	140	135
1878	120	150	160	120	163	160	150	150	132	125	192	132	135	135
1879	120	150	160	120	163	160	150	150	132	120	205	132	125	135
1880	120	150	160	120	163	160	150	150	150	125	205	132	125	135

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.).

	Maine, Dover, p. 389—(Con.).										Mass., Fitchburg, p. 390.			
	Machinist	Overseers of Different Dept.	Picker	Scourer	Spinner	Spooler	Teamster	Warper, Female	Weaver Female	Wool Sorter	Carder	Carder Boy	Dyer's Helper	Fuller
Base wage	$1.33	$39.00	$0.86	$1.00	$1.30	$0.46	$1.00	$0.67	$0.70	$1.00	$1.25	$0.60	$0.75	$0.92
Year	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	107	100	106	100	100	100
1862	113	100	105	110	100	100	100	100	107	100	106	108	127	100
1863	113	100	116	115	115	109	110	100	114	125	112	117	133	100
1864	150	141	116	125	135	163	133	137	136	140	120	133	177	145
1865	169	150	116	150	140	174	150	149	143	155	120	133	177	145
1866	169	150	116	150	138	163	150	149	143	160	120	133	177	145
1867	169	150	116	150	138	163	150	149	143	167	120	133	189	163
1868	169	150	105	150	138	163	150	149	143	167	114	117	189	163
1869	169	150	105	150	138	163	150	149	143	150	120	117	189	182
1870	169	156	99	150	138	163	150	149	136	160	120	117	193	182
1871	169	154	99	150	138	185	150	149	150	167	120	125	193	163
1872	169	154	116	150	138	196	150	149	157	170	120	133	200	163
1873	169	154	116	150	138	196	150	149	157	175	114	125	200	163
1874	169	154	116	150	135	196	150	—	157	175	120	133	200	163
1875	169	153	116	145	120	196	140	—	166	160	100	108	167	145
1876	169	154	116	150	123	217	140	—	157	160	100	100	150	136
1877	150	154	116	150	123	217	140	—	160	160	80	100	140	130
1878	150	141	105	132	123	217	135	—	163	140	80	103	140	130
1879	150	141	105	132	100	217	125	—	163	135	90	103	140	130
1880	150	150	116	132	104	217	125	—	163	135	96	125	153	136

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

	Mass., Fitchburg, p. 390—(Con.).										Mass., p. 392.			
	Gigger	Loom Fixer	Overseers of different Depts.	Picker Boy	Spinner	Spooler Girl	Superintendent	Warper	Weaver, Female	Wool Sorter	Carder	Carder Boy	Dyer	Finisher, Female
Base wage	$.75	$1.25	$42.25	$.60	$.85	$.58	$83.33	$1.25	$.75	$1.80	$1.75	$.68	$.91	$.4833
Year	Day	Day	Month	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	103	100	112	100	100	100	79	100	106
1862	127	100	108	108	104	103	100	112	100	100	100	81	100	115
1863	133	100	115	117	129	103	100	110	107	125	71	96	108	113
1864	177	120	128	133	176	108	100	140	107	138	114	113	145	123
1865	177	120	136	133	206	122	100	140	120	138	143	132	164	124
1866	177	120	138	133	206	122	100	140	127	138	157	138	165	180
1867	189	120	126	133	182	122	160	130	127	113	142	140	147	162
1868	189	120	127	117	206	122	160	136	167	125	157	140	146	165
1869	189	120	172	117	206	129	200	144	167	138	143	135	147	170
1870	193	120	172	117	206	129	200	150	167	138	171	140	146	170
1871	193	120	172	125	212	129	201	150	177	138	171	132	146	168
1872	200	120	200	133	212	129	200	160	167	138	171	131	151	169
1873	200	120	215	125	88	129	200	160	177	138	171	129	153	168
1874	200	120	200	133	118	129	200	160	167	138	143	125	137	159
1875	167	100	164	108	106	122	200	140	167	150	171	118	138	159
1876	150	100	146	100	88	112	200	120	133	150	157	103	125	143
1877	140	100	137	100	82	112	200	112	133	113	157	93	113	128
1878	140	100	135	103	88	112	200	120	133	125	157	90	115	128
1879	140	100	135	103	82	112	200	120	133	138	157	90	109	128
1880	153	120	137	125	82	112	200	120	167	138	157	103	112	126

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

Massachusetts, p. 392—(Con.).

	Finisher Male	Fuller	Gigger	Laborer	Overseer of Carding Dept. No. 1	Overseer of Carding Dept. No. 2	Overseer of Carding Dept. No. 3	Overseer of Dressing Dept.	Overseer of Dyeing Dept.	Overseer of Finishing Dept.	Overseer of Fulling Dept.	Overseer of Gigging Dept.	Overseer in Repairing Dept. No. 1	Overseer in Repairing Dept. No. 2
Base wage	$.88	$.81	$.84	$1.75	$1.75	$1.75	$3.00	$1.75	$1200.00	$3.00	$2.00	$3.00	$2.00	$2.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Year	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	103	98	100	100	100	100	100	100	100	100	100	100	100	100
1862	102	99	102	114	100	100	100	100	100	100	100	100	100	100
1863	105	107	110	77	71	143	133	114	150	108	125	108	138	125
1864	135	152	151	95	143	114	133	157	150	117	150	117	175	150
1865	153	154	164	109	200	157	133	214	150	133	150	133	175	150
1866	161	157	168	115	180	142	133	214	150	133	150	150	200	175
1867	148	142	151	115	200	157	120	214	150	120	135	153	158	180
1868	144	142	150	115	229	157	150	214	150	117	150	150	175	188
1869	142	151	152	129	229	171	83	214	150	117	150	150	175	200
1870	149	156	152	129	229	171	100	214	150	117	150	150	175	200
1871	147	157	152	129	229	171	100	214	150	117	150	150	175	200
1872	150	159	152	129	229	171	100	214	150	117	163	150	150	225
1873	147	159	155	130	229	171	100	214	150	117	163	150	150	225
1874	127	146	137	128	213	171	83	205	75	117	163	150	135	225
1875	124	136	131	126	229	171	100	205	—	109	163	150	—	225
1876	114	122	120	120	206	157	100	194	—	125	163	150	—	225
1877	106	116	110	119	214	157	100	200	—	125	163	150	—	225
1878	106	115	111	117	214	157	100	200	167	125	163	150	—	225
1879	106	115	110	117	214	157	100	200	167	125	163	150	—	225
1880	108	119	113	117	214	157	100	200	167	125	163	150	—	225

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

Massachusetts, p. 392—(Con.).

	Overseer of Spinning Dept. No. 1	Overseer of Spinning Dept. No. 2	Overseer of Spinning Dept. No. 3	Overseer of Waste-sorting Dept.	Overseer of Weaving Dept.	Overseer of Yard Dept.	Picker	Repairer	Spinner	Teamster	Warper	Waste Sorter	Watchman	Weaver Female
Base wage	$1.75	$1.75	$1.75	$1.00	$2.25	$2.50	$.81	$1.38	$.78	$1.75	$.80¼	$.34	$1.00	$.6967
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	91	98	109	100	119	100	100	109
1862	100	100	100	100	100	120	100	101	121	114	114	103	100	103
1863	114	114	129	120	111	65	105	116	122	77	117	126	106	100
1864	157	129	171	150	133	80	142	138	154	95	118	156	132	102
1865	157	171	171	150	167	90	164	159	199	108	143	144	154	133
1866	157	171	200	150	167	100	168	159	221	115	214	159	154	179
1867	142	154	180	150	150	100	152	145	181	115	184	197	152	163
1868	171	171	200	150	156	100	158	151	203	115	173	188	153	163
1869	171	171	200	150	167	—	152	159	208	129	183	194	156	169
1870	171	171	200	150	122	—	159	158	205	129	199	191	156	163
1871	171	171	200	150	156	—	158	158	195	129	192	191	156	164
1872	171	186	214	150	167	—	163	160	192	129	187	197	156	174
1873	171	200	229	150	167	—	162	160	205	130	175	194	160	147
1874	—	186	213	175	160	—	148	151	197	128	149	176	153	172
1875	—	186	213	175	160	—	138	143	190	126	159	165	145	169
1876	—	171	194	165	151	—	132	130	176	120	135	147	125	141
1877	—	171	194	165	178	—	119	127	156	119	133	147	122	123
1878	—	171	194	165	178	—	111	124	154	117	127	147	116	126
1879	—	171	194	165	178	—	106	122	149	117	134	147	114	126
1880	—	171	194	175	178	—	112	128	153	117	123	159	113	139

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

P. 392—(Con.). | New Hampshire, Manchester, p. 396.

	Wool Sorter	Carder	Carpenter	Laborer	Loom Fixer	Machinist	Overseers of different Depts.	Picker	Shearer	Spinner	Spooler	Teamster	Warper	Weaver
Base wage	$1.17	$.92	$1.47	$1.00	$1.25	$1.36	$66.56	$.92	$1.00	$.52	$.60	$1.17	$.60	$.78
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	99	100	97	100	100	105	106	100	100	123	100	100	100	90
1862	101	103	101	100	100	104	96	103	125	112	102	100	102	79
1863	113	100	110	117	106	122	100	109	125	112	128	107	128	90
1864	138	136	144	125	120	118	118	136	112	121	127	128	127	109
1865	157	136	133	125	134	143	129	136	117	127	127	128	127	112
1866	171	145	139	133	140	137	142	145	128	175	183	128	183	171
1867	152	145	139	142	140	133	150	145	142	175	158	143	158	180
1868	153	145	150	142	132	142	130	145	150	173	147	143	147	156
1869	153	147	155	142	124	145	133	147	158	188	195	150	195	158
1870	154	154	152	133	140	143	132	154	100	231	188	128	188	186
1871	152	145	148	142	140	161	135	149	100	225	157	128	157	167
1872	156	145	162	150	140	163	137	145	108	202	168	143	168	168
1873	156	145	163	150	140	168	139	154	100	223	155	143	155	164
1874	149	133	153	158	140	165	129	133	92	192	155	135	212	146
1875	149	127	139	159	140	150	138	127	113	192	128	136	197	150
1876	138	129	134	150	142	145	138	129	113	183	113	128	182	147
1877	130	113	130	138	140	140	149	113	115	150	127	118	157	135
1878	127	112	120	144	139	130	156	112	110	117	103	123	153	136
1879	134	103	122	127	139	132	153	103	110	117	100	109	138	123
1880	147	111	118	130	140	128	153	111	115	127	112	111	158	136

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

	P. 396—(Con.).	New Hampshire, p. 397.												N. Y., p. 399.
	Wool Sorter	Carder	Carpenter	Dyer	Engineer	Fuller	Laborer	Machinist	Overseers of different Depts.	Spinner	Spooler	Teamster	Weaver	Carder
Base wage	$1.48	$.50	$1.75	$1.00	$1.37½	$.87½	$.87½	$1.25	$42.25	$1.10	$.50	$.87½	$1.10	$1.25
Year	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	95	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	95	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	116	125	100	100	109	114	114	108	100	114	100	114	107	100
1864	116	125	100	100	109	114	114	108	100	114	100	114	107	100
1865	124	150	143	130	145	149	157	160	138	148	100	149	125	120
1866	139	150	143	130	145	149	157	160	138	148	100	149	125	120
1867	135	150	143	130	145	149	157	160	138	148	100	149	125	120
1868	135	184	143	130	164	149	171	170	138	164	180	171	130	120
1869	134	184	143	130	164	149	171	170	138	164	180	171	130	120
1870	115	200	171	150	182	171	171	200	169	168	145	171	136	120
1871	133	200	171	150	182	171	171	200	169	168	145	171	136	—
1872	135	200	171	150	182	171	171	200	169	168	145	171	136	—
1873	135	200	171	150	200	157	171	200	177	170	175	200	136	—
1874	124	200	171	150	200	157	171	200	177	170	175	200	136	158
1875	130	200	171	150	218	164	171	200	200	166	175	200	136	158
1876	126	200	171	150	218	164	171	200	200	166	175	200	136	158
1877	130	180	171	135	218	149	154	170	200	148	125	186	125	158
1878	123	180	171	135	218	149	154	170	200	148	125	186	125	158
1879	117	170	171	125	218	137	143	170	200	148	175	171	125	158
1880	125	170	171	125	218	137	171	190	200	148	175	171	134	146

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

New York, p. 399—(Con.)

	Carder Girl	Carpenter	Dyer	Dyer's Helper	Engineer	Finisher	Foreman	Fuller	Gigger	Laborer	Loom Fixer	Machinist	Overseers in different Depts.	Picker
Base wage	$.42	$1.25	$1.50	$.70	$2.00	$.53¾	$100.00	$.75	$.70	$.75	$1.50	$1.25	$53.56	$.62½
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1865	137	140	133	179	200	183	200	200	179	167	117	140	149	200
1866	137	140	133	179	200	183	200	200	179	167	117	140	149	200
1867	137	140	133	179	200	183	200	200	179	167	117	140	149	200
1868	137	140	133	179	200	183	200	200	179	167	117	140	149	200
1869	137	140	133	179	200	183	200	200	179	167	117	140	149	200
1870	183	209	167	179	200	184	200	200	179	179	117	209	243	215
1871	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1872	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1873	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1874	179	188	133	164	200	177	300	153	164	153	160	188	243	194
1875	179	188	133	164	200	177	300	153	164	153	160	188	243	194
1876	179	188	133	164	200	177	300	153	164	153	160	188	243	194
1877	179	188	133	164	200	177	300	153	164	153	160	188	243	194
1878	179	188	133	164	200	177	300	153	164	153	160	188	243	194
1879	179	188	133	164	200	177	300	153	164	153	160	188	243	194
1880	150	180	267	164	200	149	300	153	164	153	135	180	243	194

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

	New York, p. 399—(Con.).												O., Dresden, p. 400.	
	Scourer	Shearer	Spinner	Spinner, Boy or Girl	Spooler Girl	Superintendent	Teamster	Warper	Watchman	Weaver	Weaver Boy or Girl	Wool Sorter	Carder	Carder Boy
Base wage	$.75	$.75	$1.13	$.56	$.30	$160.00	$.75	$.75	$.85	$.94	$.40	$1.10	$2.25	$.60
Year	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	125
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	125
1864	100	100	100	100	100	100	100	100	100	100	100	100	100	125
1865	200	100	142	82	140	188	167	230	147	133	135	145	100	125
1866	200	100	142	82	140	188	167	230	147	133	135	145	100	125
1867	200	100	142	82	140	188	167	230	147	133	135	145	100	125
1868	200	100	142	82	140	188	167	230	147	133	135	145	100	125
1869	200	100	142	82	140	188	167	230	147	133	135	145	100	125
1870	200	161	142	132	150	188	179	213	158	160	131	159	—	108
1871	—	—	—	—	—	—	—	—	—	—	—	—	—	108
1872	—	—	—	—	—	—	—	—	—	—	—	—	—	108
1873	—	—	—	—	—	—	—	—	—	—	—	—	—	108
1874	153	153	133	109	220	313	183	213	162	156	125	145	—	108
1875	153	153	133	109	220	313	183	213	162	156	125	145	—	108
1876	153	153	133	109	220	313	183	213	162	156	125	145	—	108
1877	153	153	133	109	220	313	183	213	162	156	125	145	—	108
1878	153	153	133	109	220	313	183	213	162	156	125	145	—	108
1879	153	153	133	109	220	313	183	213	162	156	125	145	—	108
1880	153	153	143	89	200	313	200	196	129	163	138	165	—	108

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

The Woolen Industry—(Con.)

	Ohio, Dresden, p. 400—(Con.).													C. & W. Works. Illinois, p. 413
	Dyer	Dyer's Helper	Fuller	Gigger	Loom Fixer	Overseers of different Depts.	Picker Boy	Scourer	Shearer	Spinner	Teamster	Warper	Weaver	Apprentice
Base wage	$1.25	$1.25	$1.25	$1.25	$2.00	$58.50	$.60	$1.25	$2.00	$1.25	$1.00	$1.00	$1.00	$.3333
Year	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	160	120	100	120	100	100	125	160	100	120	100	125	100	149
1863	160	120	120	120	100	100	125	160	100	120	100	125	100	149
1864	160	120	120	120	100	100	125	160	100	120	100	125	100	149
1865	160	120	120	120	100	100	125	160	100	120	100	125	100	149
1866	160	120	120	120	100	100	125	160	100	120	100	125	100	149
1867	160	120	120	120	100	100	125	160	100	120	100	125	100	150
1868	160	120	120	120	100	100	125	160	100	120	100	125	100	150
1869	160	120	120	120	100	100	125	160	100	120	100	125	100	150
1870	160	100	100	100	100	89	108	120	75	120	100	100	100	150
1871	160	100	100	100	100	89	108	120	75	120	100	100	100	150
1872	160	100	100	100	100	89	108	120	75	120	100	100	100	150
1873	160	100	100	100	100	89	108	120	75	120	100	100	100	150
1874	120	100	100	100	100	89	108	120	75	120	100	100	100	125
1875	120	100	100	100	100	89	108	120	75	120	100	100	100	125
1876	120	100	100	100	100	89	108	120	75	120	100	100	100	125
1877	120	100	100	100	100	89	108	120	75	120	100	100	100	125
1878	120	100	100	100	100	89	108	120	75	120	100	100	100	125
1879	120	100	100	100	100	89	108	120	75	100	100	100	100	125
1880	120	100	100	100	100	89	108	120	75	100	100	100	100	125

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Carriage and Wagon Works—(Con.).

	Illinois, Belleville, p. 413—(Con.).								Indiana, Indianapolis, p. 414.					
	Blacksmith	Blacksmith's Helper	Body Maker	Painter	Striper	Trimmer	Varnisher	Wood Worker	Apprentice	Blacksmith	Blacksmith's Helper	Body Maker	Laborer	Painter
Base wage	$2.00	$1.00	$2.00	$2.00	$1.75	$2.00	$2.00	$2.00	$.50	$2.25	$1.00	$2.25	$1.00	$2.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	114	100	100	100	100	100	100	100	100	100
1862	125	125	125	125	143	125	125	125	100	89	75	78	100	75
1863	125	125	125	125	143	125	125	125	100	89	75	78	100	75
1864	150	150	150	150	171	150	150	150	100	89	100	111	100	88
1865	150	150	150	150	171	150	150	150	150	111	125	111	125	88
1866	150	150	150	150	171	150	150	150	150	111	125	111	125	88
1867	150	150	150	150	171	150	150	150	150	111	125	111	125	100
1868	150	150	150	150	171	150	150	150	150	111	125	100	125	100
1869	150	150	150	150	171	150	150	150	150	111	125	100	125	100
1870	150	150	150	150	171	150	150	150	150	111	125	111	125	100
1871	150	150	150	150	171	150	150	150	150	111	125	111	125	100
1872	150	150	150	150	171	150	150	150	150	111	125	111	125	100
1873	150	150	150	150	171	150	150	150	150	111	125	111	125	100
1874	125	150	125	125	143	125	125	125	100	111	100	111	100	88
1875	125	150	125	125	143	125	125	125	100	100	100	89	100	88
1876	125	150	125	125	143	125	125	125	100	100	100	89	100	88
1877	125	150	125	125	143	125	125	125	100	100	100	89	100	88
1878	125	150	125	125	143	125	125	125	100	111	125	89	100	88
1879	125	150	125	125	143	125	125	125	150	111	125	100	125	100
1880	125	150	125	125	143	125	125	125	—	—	—	—	—	—

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Carriage and Wagon Works—(Con.).

	Indiana, Indianapolis, p. 414—(Con.).							Iowa, Dubuque, p. 416.				Ky., Louisville, p. 416.		
	Stitcher	Striper	Trimmer	Varnisher	Watchman	Wheel-wright	Wood-worker	Black-smith	Painter	Trimmer	Wood-worker	Black-smith	Painter	Trimmer
Base wage	$1.00	$1.50	$2.00	$2.00	$1.00	$1.75	$2.00	$1.25	$1.25	$1.25	$1.25	$2.33	$2.00	$2.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	120	120	120	120	64	96	83
1862	100	100	100	100	100	100	75	160	160	160	160	71	92	92
1863	100	100	88	88	100	86	75	200	200	200	200	129	108	108
1864	100	117	88	88	100	86	75	220	220	220	220	172	125	121
1865	125	117	100	100	125	100	88	220	220	220	220	186	150	150
1866	125	117	100	100	125	100	88	220	220	220	220	215	158	158
1867	125	117	113	100	150	114	88	220	220	220	220	200	167	167
1868	125	117	113	113	150	114	100	220	220	220	220	200	175	175
1869	125	117	113	113	150	114	100	220	220	220	220	200	175	175
1870	125	117	113	113	150	100	100	220	220	220	220	200	175	183
1871	125	117	113	113	150	100	100	220	220	220	220	172	175	175
1872	125	117	113	113	150	100	100	220	220	220	220	172	192	175
1873	125	117	113	113	150	100	100	200	200	200	200	164	192	200
1874	100	100	100	100	125	100	100	200	200	200	200	179	175	175
1875	100	100	100	100	125	86	88	180	180	180	180	179	150	175
1876	100	83	100	100	125	86	88	180	180	180	180	157	125	150
1877	100	83	100	100	125	86	88	—	—	—	—	150	125	150
1878	100	83	100	100	125	86	88	180	180	180	180	143	117	150
1879	125	100	113	113	150	100	100	180	180	180	180	129	108	133
1880	—	—	—	—	—	—	—	200	200	200	200	107	125	125

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Carriage and Wagon Works—(Con.).

	Ky., p. 416.	Maine, Portland, p. 417.												
	Wood-worker	Apprentice	Black-smith	Blacksmith's Helper	Body Maker	Finisher	Foreman	Laborer	Painter	Stitcher	Striper	Teamster	Trimmer	Varnisher
Base wage	$1.66	$0.60	$1.75	$1.25	$1.75	$1.25	$1.75	$1.25	$1.75	$1.25	$1.75	$1.25	$1.75	$1.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	140	100	100	100	100	100	100	100	100
1862	110	100	114	100	114	120	114	100	114	120	114	100	114	114
1863	120	108	143	100	143	120	143	120	143	160	143	100	143	143
1864	140	108	171	120	171	140	171	120	171	160	171	120	171	171
1865	151	108	171	120	171	140	171	120	171	160	171	120	171	171
1866	181	108	171	120	171	140	171	120	171	160	171	120	171	171
1867	181	108	171	120	171	140	171	120	171	160	171	120	171	171
1868	201	108	171	120	171	140	171	120	171	160	171	120	171	171
1869	211	108	171	120	171	140	171	120	171	160	171	120	171	171
1870	211	125	171	120	171	140	171	120	171	160	171	120	171	171
1871	220	125	171	120	171	140	171	120	171	160	171	120	171	171
1872	231	125	171	120	171	140	171	120	171	160	157	120	171	171
1873	241	125	171	120	171	140	171	100	171	160	157	100	171	171
1874	231	125	171	120	171	140	171	100	171	160	157	100	171	171
1875	231	125	171	120	171	140	171	100	171	160	143	100	171	171
1876	220	125	171	100	171	140	171	100	171	160	143	100	171	171
1877	211	125	171	100	171	140	171	100	171	160	143	100	171	171
1878	201	108	157	100	157	120	157	100	157	160	143	100	143	143
1879	181	108	157	100	157	120	157	100	157	160	143	100	143	143
1880	170	139	—	120	171	147	171	120	171	200	171	120	171	171

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Carriage and Wagon Works—(Con.).

	Maine, Portland, p. 417—(Con.).			Massachusetts, p. 420.										
	Watchman	Wheel-wright	Wood-worker	Apprentice	Body Maker	Finisher	Foreman	Painter	Stitcher	Striper	Teamster	Trimmer	Varnisher	Watch-man
Base wage	$1.00	$1.50	$1.50	$0.75	$1.33	$2.50	$2.87½	$1.58	$1.50	$1.87½	$1.50	$1.58	$2.00	$1.00
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	117	100	120	109	100	108	117	83	100	113	113
1862	100	117	117	117	100	120	109	100	108	117	83	100	113	113
1863	125	150	167	117	132	120	109	116	108	117	83	142	113	113
1864	150	183	200	117	132	120	109	116	108	117	83	142	113	113
1865	150	200	200	117	132	120	109	116	108	117	83	142	113	113
1866	150	200	200	117	188	120	109	158	108	117	83	206	113	113
1867	150	200	200	117	188	120	109	174	108	117	83	206	113	113
1868	150	200	200	117	188	120	109	174	108	117	83	206	113	113
1869	150	200	200	117	188	120	109	174	108	117	83	206	113	113
1870	150	200	200	117	188	120	109	174	108	117	83	206	113	113
1871	150	200	200	117	188	145	113	174	142	120	108	206	131	150
1872	150	200	200	117	188	145	113	174	142	120	108	206	131	150
1873	125	200	200	117	188	145	113	174	142	120	108	206	131	150
1874	125	200	200	117	188	145	113	174	142	120	108	206	131	150
1875	125	200	200	117	188	145	113	174	142	120	108	206	131	150
1876	125	200	200	117	175	145	113	137	142	120	108	174	131	150
1877	125	200	200	117	175	140	113	137	117	120	108	147	131	150
1878	125	183	183	117	175	140	113	137	117	120	108	147	131	150
1879	125	183	183	117	175	140	113	137	117	120	108	147	131	150
1880	125	200	200	117	175	140	113	137	117	120	108	147	131	150

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Carriage and Wagon Works—(Con.).

	Mass., p. 420—(Con.).		N. Y., p. 423.		Ohio, Ravenna, p. 424.					Wis., Whitewater, p. 426.				
	Wheel-wright	Wood-worker	Helpers	Mechanics	Black-smith	Blacksmith's Helper	Body Maker	Painter	Trimmer	Wheel-wright	Black-smith	Blacksmith's Helper	Engineer	Laborer
Base wage	$1.33	$1.25	$0.87½	$1.36½	$1.50	$1.00	$1.50	$1.37½	$1.37½	$1.50	$1.25	$0.80	$1.00	$0.75
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	160	115	111	100	100	100	100	100	100	110	125	113	107
1862	100	160	121	111	117	125	126	127	127	133	120	125	113	133
1863	132	160	116	111	167	150	167	164	164	133	120	125	125	133
1864	132	160	116	115	183	150	183	164	182	167	140	156	138	167
1865	132	160	129	140	200	150	183	164	182	167	150	188	150	183
1866	188	160	146	149	200	150	183	164	182	167	180	188	175	200
1867	188	160	153	169	200	150	183	164	182	167	200	188	200	183
1868	188	160	171	176	200	150	183	164	182	167	180	188	175	183
1869	188	160	193	181	200	150	183	164	182	167	170	188	175	167
1870	188	160	157	181	200	150	200	164	182	167	180	156	200	167
1871	188	210	157	181	200	150	200	164	182	167	170	156	200	167
1872	188	210	157	179	200	150	200	164	182	167	160	156	225	167
1873	188	210	171	188	200	150	200	164	182	167	160	156	225	167
1874	188	210	171	188	200	150	183	145	164	167	200	156	225	167
1875	188	210	171	188	167	150	183	145	164	167	170	156	175	167
1876	175	190	171	188	167	150	183	136	164	167	190	156	175	150
1877	175	190	171	192	167	150	183	136	164	167	150	141	175	133
1878	175	190	157	183	167	150	183	136	164	167	160	141	200	133
1879	175	190	143	179	167	150	183	155	164	167	160	141	200	133
1880	175	190	143	179	200	150	217	164	182	167	160	141	200	150

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

	C. and W. Works—(Con.). Wis., Whitewater, p. 426—(Con.).		Furniture Connecticut, New Haven, p. 435.											
	First Machinist	Teamster	Cabinet-maker	Carver	Chair-maker	Engineer	Finisher	Foreman	Laborer	Machine Hand	Packer	Turner	Up-holsterer	Varnisher
Base wage	$1.25	$0.76	$2.00	$2.00	$1.80	$2.00	$1.80	$65.00	$1.25	$2.00	$1.75	$2.00	$2.00	$2.00
Year	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	132	100	100	100	100	100	108	100	113	100	100	100	100
1862	120	132	100	113	100	100	111	115	120	125	114	113	100	100
1863	120	132	113	113	100	113	111	123	120	125	114	125	100	113
1864	120	164	113	113	111	125	111	123	120	125	114	125	100	113
1865	160	197	125	113	111	125	125	123	120	125	129	125	125	125
1866	180	197	125	125	111	138	125	131	120	125	129	125	125	125
1867	200	197	125	125	125	138	125	131	120	138	129	138	125	138
1868	220	197	150	150	125	150	139	131	140	138	143	138	138	125
1869	220	197	150	150	125	150	153	123	140	138	143	138	150	125
1870	220	164	113	125	111	138	111	115	144	138	114	138	138	100
1871	220	164	113	125	111	138	111	115	140	138	114	138	138	100
1872	240	164	113	125	111	138	111	108	140	125	114	125	138	100
1873	240	164	113	125	111	138	100	108	140	125	114	125	138	90
1874	260	—	100	113	111	125	100	108	120	125	114	125	125	90
1875	260	—	100	113	100	125	100	108	120	125	114	125	113	90
1876	240	—	100	113	100	125	100	108	120	125	114	125	113	90
1877	200	—	113	113	111	113	100	108	120	125	103	125	113	90
1878	200	—	113	125	111	113	100	108	120	125	103	125	125	90
1879	200	—	113	125	111	125	100	108	120	125	103	125	125	90
1880	220	—	113	125	111	138	100	108	140	125	114	125	125	90

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	Ill., Chicago, p. 438.	Indiana, p. 442.												Ky., p. 444.
	Cabinet-maker	Boy	Carver	Chair-maker	Engineer	Finisher	Foreman	Laborer	Machine Hand	Packer	Painter	Turner	Varnisher	Cabinet-maker
Base wage	$1.10	$0.3333	$2.00	$1.6667	$1.50	$1.50	$40.00	$0.75	$1.00	$1.00	$1.1667	$1.25	$1.25	$1.80
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	—
1861	100	100	100	100	100	100	125	100	100	100	100	100	100	100
1862	114	100	100	100	100	100	125	100	100	150	100	120	100	100
1863	148	100	113	100	117	117	138	100	100	150	100	120	120	100
1864	205	100	113	100	117	117	150	100	100	150	100	140	120	100
1865	227	100	113	120	117	117	163	101	100	150	100	140	120	100
1866	250	175	125	120	117	117	175	111	100	150	100	160	120	100
1867	250	175	125	120	117	117	175	133	117	150	100	160	120	100
1868	250	175	125	120	117	117	175	133	117	150	100	160	120	100
1869	236	175	125	120	117	117	175	133	125	150	171	160	120	100
1870	205	175	125	150	117	117	175	167	150	150	214	160	120	100
1871	182	175	125	150	117	117	175	167	167	150	214	160	120	111
1872	182	175	125	150	117	117	175	167	175	125	214	160	120	111
1873	182	175	125	150	100	117	175	167	175	125	214	160	120	111
1874	159	175	125	150	100	117	175	167	158	125	214	160	120	111
1875	159	150	125	150	100	117	175	167	150	100	193	160	120	111
1876	159	125	125	150	100	117	175	156	150	100	193	160	120	111
1877	182	100	125	150	100	117	175	133	140	100	100	160	120	111
1878	182	100	125	150	100	117	175	133	140	100	100	160	120	111
1879	159	100	125	150	100	117	175	133	140	100	100	160	120	111
1880	182	—	—	—	—	—	175	—	—	—	—	160	—	111

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	Ky., Louisville, p. 444—(Con.).									Ky., Louisville, p. 445.				
	Carver	Engineer	Finisher	Foreman	Laborer	Machine Hand	Packer	Turner	Varnisher	Cabinet-maker	Carver	Chair-maker	Engineer	Finisher
Base wage	$1.90	$2.00	$1.75	$150.00	$1.50	$1.80	$1.80	$1.75	$1.55	$2.00	$2.50	$2.00	$2.25	$2.50
Year	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
1860	—	—	—	—	—	—	—	—	—	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1865	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1866	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1867	100	100	100	100	100	100	100	100	100	113	110	113	111	100
1868	100	100	100	100	100	100	100	100	100	113	110	113	111	100
1869	100	100	100	100	100	100	100	100	100	113	110	113	111	100
1870	100	100	100	100	100	100	100	100	100	113	100	113	111	100
1871	105	113	109	111	117	111	111	106	113	113	100	113	111	100
1872	105	113	109	111	117	111	111	106	113	113	100	113	111	100
1873	105	113	109	111	117	111	111	106	113	113	100	113	111	100
1874	105	113	109	111	117	111	111	106	113	100	100	100	111	90
1875	105	113	109	111	117	111	111	106	113	100	100	88	100	90
1876	105	113	109	111	117	111	111	106	113	100	100	88	100	100
1877	105	113	109	111	117	111	111	106	113	113	110	100	100	110
1878	105	113	109	111	117	111	111	106	113	113	120	100	111	120
1879	105	113	109	111	117	111	111	106	113	113	120	100	111	120
1880	105	113	109	111	117	111	111	106	113	—	—	—	—	—

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	Ky., Louisville, p. 445—(Con.).						Ky., Louisville, p. 446.							
	Foreman	Laborer	Machine Hand	Packer	Turner	Varnisher	Cabinet-maker	Carver	Engineer	Foreman	Laborer	Machine Hand	Packer/	Turner
Base wage	$80.00	$1.25	$1.75	$1.50	$2.00	$2.00	$1.40	$1.50	$2.00	$75.00	$1.00	$1.25	$1.25	$1.50
Year	Month	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	107	100	100	100	100	120	100	100
1862	100	100	100	100	100	100	125	133	100	113	125	140	100	100
1863	100	100	100	100	100	100	179	133	100	113	125	160	120	167
1864	100	100	100	100	113	100	179	133	100	113	125	160	120	167
1865	100	100	114	100	113	100	196	200	100	113	150	200	120	183
1866	100	100	114	100	113	100	196	200	100	133	150	200	160	183
1867	100	106	114	111	125	113	196	200	100	133	150	220	160	200
1868	100	106	114	111	125	113	196	200	100	133	150	220	160	200
1869	100	106	114	111	125	113	196	200	100	133	150	220	160	200
1870	100	106	114	111	125	113	196	183	125	133	150	220	160	200
1871	100	106	114	111	125	113	196	200	125	133	150	240	160	200
1872	100	106	114	111	125	113	196	200	125	133	150	240	140	183
1873	100	106	114	111	125	113	179	200	125	133	125	220	140	183
1874	94	106	100	111	113	100	179	183	100	133	125	200	120	167
1875	94	100	100	100	113	100	179	183	100	113	125	200	120	150
1876	94	96	100	100	113	88	143	167	100	113	100	180	120	150
1877	94	96	106	100	125	88	125	150	100	113	100	160	120	117
1878	94	100	106	111	125	100	125	150	100	113	100	160	140	117
1879	94	100	106	111	125	100	143	167	125	113	125	160	140	133
1880	94	—	—	—	—	—	143	183	125	113	125	160	140	133

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	p. 446—(Con.). Kentucky,		New Hampshire, p. 448.				New York, New York, p. 450.							N. Y., p. 450.
	Upholsterer	Varnisher	Cabinet-maker	Foreman	Machine Hand	Turner	Cabinet-maker	Carver	Finisher	Foreman	Packer	Upholsterer	Varnisher	Cabinet-maker
Base wage	$1.25	$1.25	$1.15	$36.40	$1.00	$1.25	$1.1667	$1.3333	$1.1667	$48.00	$1.00	$1.50	$1.00	$1.50
Year	Day	Day	Day	Month	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	120	100	109	100	110	100	100	75	86	100	100	78	100	100
1862	140	120	117	100	125	100	143	112	115	104	133	111	133	100
1863	200	140	117	125	125	120	172	137	129	125	167	133	167	100
1864	200	140	130	125	140	120	229	162	186	167	200	167	200	117
1865	200	160	139	125	150	140	286	187	200	229	217	189	233	117
1866	220	160	139	125	150	140	315	200	200	229	217	211	217	133
1867	240	200	139	125	150	140	300	212	200	250	233	222	233	133
1868	240	200	143	125	150	140	286	225	214	250	233	211	250	133
1869	240	200	143	125	150	140	243	225	200	229	233	200	250	133
1870	240	200	143	125	150	140	243	225	186	229	217	200	250	167
1871	240	200	143	143	150	140	243	225	200	229	250	200	250	167
1872	240	200	143	143	150	140	229	237	200	229	233	200	233	167
1873	240	200	143	143	150	140	214	200	171	208	217	189	200	167
1874	220	200	143	143	150	140	214	212	157	208	183	178	200	133
1875	220	160	143	129	150	140	200	187	171	208	183	167	200	133
1876	180	140	130	129	135	120	186	187	171	208	200	156	200	133
1877	180	120	130	114	135	120	157	162	157	208	183	144	183	133
1878	200	120	130	114	135	120	171	150	157	208	183	133	167	167
1879	200	140	117	114	125	120	200	162	157	208	200	133	150	167
1880	220	160	117	129	125	140	214	200	171	208	217	167	183	167

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	New York, Rochester, p. 450—(Con.).								New York, p. 452.					
	Carver	Chair-maker	Finisher	Machine Hand	Packer	Upholsterer	Varnisher	Cabinet-maker	Carver	Chair-maker	Engineer	Finisher	Foreman	Laborer
Base wage	$2.50	$1.50	$1.25	$1.50	$1.00	$2.00	$1.25	$1.50	$1.75	$1.50	$2.00	$1.50	$60.00	$1.25
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	120	100	125	100	120	100	100	100	100	100	100	100
1864	100	117	120	100	125	113	120	167	143	150	150	150	120	120
1865	100	117	120	100	150	113	120	167	143	150	150	150	120	120
1866	100	133	160	100	150	113	160	167	143	150	150	150	120	120
1867	100	133	160	100	150	113	160	167	143	150	150	150	120	120
1868	100	133	160	100	200	125	160	167	143	150	150	150	140	120
1869	100	133	160	100	200	125	160	167	143	150	150	150	140	120
1870	100	167	160	150	200	125	160	167	143	150	150	150	140	120
1871	100	167	160	150	200	125	160	167	143	150	150	150	140	120
1872	100	167	160	150	200	125	160	167	143	150	150	150	140	120
1873	100	167	160	150	200	125	160	167	143	150	150	150	140	120
1874	100	133	160	150	200	100	160	167	143	150	150	150	140	120
1875	100	133	160	150	200	100	160	167	143	150	200	150	140	120
1876	90	133	160	150	200	100	160	167	143	150	200	150	140	120
1877	90	133	160	150	200	100	160	167	143	150	200	150	140	120
1878	90	167	160	150	200	125	160	167	143	150	200	150	140	120
1879	90	167	160	150	200	125	160	167	143	150	200	150	140	120
1880	90	167	160	150	200	125	160	167	143	150	200	150	140	120

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	New York, p. 452—(Con.).					Ohio, Columbus, p. 454.								
	Machine Hand	Packer	Turner	Upholsterer	Varnisher	Cabinetmaker	Carver	Chairmaker	Engineer	Finisher	Foreman	Laborer	Machine Hand	Packer
Base wage	$1.50	$1.00	$1.50	$1.75	$1.50	$2.50	$3.50	$2.50	$3.00	$2.00	$100.00	$1.50	$3.00	$2.25
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1863	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1864	150	175	150	143	150	100	100	100	100	100	100	100	100	100
1865	150	175	150	143	150	100	100	100	100	100	100	100	100	100
1866	150	175	150	143	150	100	100	100	100	100	100	100	100	100
1867	150	175	150	143	150	100	100	100	100	100	100	100	100	100
1868	150	175	150	143	150	100	100	100	100	100	100	100	100	100
1869	150	175	150	143	150	100	100	100	100	100	100	100	100	100
1870	150	175	150	157	150	100	86	100	100	100	100	100	100	89
1871	150	175	150	157	150	100	86	100	100	100	100	100	100	89
1872	150	200	150	157	150	100	86	100	100	100	100	100	100	89
1873	150	200	150	157	150	100	86	100	100	100	100	100	100	89
1874	150	200	150	157	150	100	86	100	100	100	80	100	92	89
1875	150	200	150	157	150	100	86	100	100	100	80	100	92	89
1876	150	200	150	157	150	100	86	100	100	100	80	100	92	89
1877	150	200	150	157	150	100	86	100	100	100	80	100	92	89
1878	150	200	150	157	150	100	86	100	100	100	80	100	92	89
1879	150	200	150	157	150	100	86	100	100	100	80	100	92	89
1880	150	200	150	157	150	100	86	100	100	100	80	100	92	89

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Furniture—(Con.).

	Ohio, Columbus, p. 454—(Con.).			Pa., Philadelphia, p. 457.							Wisconsin, p. 459.			
	Turner	Upholsterer	Varnisher	Cabinet Maker	Carver	Chair Maker	Foreman	Packer	Upholsterer	Varnisher	Cabinet Maker	Carver	Chair Maker	Engineer
Base wage	$2.50	$2.40	$2.00	$1.67	$2.00	$1.50	$48.00	$1.50	$2.00	$1.33	$1.50	$1.50	$1.50	$1.50
Year	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	—	—	—	—
1861	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	100	100	100	100	100	100	100	100	—	—	—	—
1863	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1864	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1865	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1866	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1867	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1868	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1869	100	100	100	120	113	117	125	117	125	126	117	117	117	117
1870	100	104	100	120	113	117	125	117	125	126	117	117	117	117
1871	100	104	100	120	113	117	125	117	125	126	117	117	117	117
1872	100	104	100	120	113	117	125	117	125	126	117	117	117	117
1873	100	104	100	120	113	117	125	117	125	126	117	117	117	117
1874	100	104	100	120	113	117	125	117	125	126	100	100	100	100
1875	100	104	100	120	113	117	125	117	125	126	100	100	100	100
1876	100	104	100	120	113	117	125	117	125	126	100	100	100	100
1877	100	104	100	100	100	111	104	100	100	113	100	100	100	100
1878	100	104	100	100	100	111	104	100	100	113	100	100	100	100
1879	100	104	100	100	100	111	104	100	100	113	117	117	117	117
1880	100	104	100	100	100	111	104	100	100	113	117	117	117	117

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Furniture—(Con.). Wisconsin, p. 459—(Con.).							Saw and Planing Mills. Kentucky, p. 469.						
	Finisher	Foreman	Laborer	Machine Hand	Packer	Turner	Varnisher	Bench Hand, Sash and Door Dept.	Foreman Dressing Dept.	Foreman, Sash and Door Dept.	Laborer, General	Machine Hand, Sash and Door Dept.	Matcher Dressing Dept.	Molder Dressing Dept.
Base wage	$1.50	$33.3333	$1.25	$2.00	$1.50	$2.00	$1.50	$1.50	$80.00	$70.00	$1.00	$1.75	$1.37½	$1.80
Year	Day	Month	Day	Day	Day	Day	Day	Day	Month	Month	Day	Day	Day	Day
1860	—	—	—	—	—	—	—	100	100	100	100	100	100	100
1861	100	100	100	100	100	100	100	83	63	71	125	80	91	83
1862	—	150	—	—	—	—	—	83	81	86	150	86	91	89
1863	117	250	120	125	117	125	117	167	100	143	175	157	127	111
1864	117	250	120	125	117	125	117	183	156	179	175	171	164	153
1865	117	250	120	125	117	125	117	200	208	143	175	186	218	181
1866	117	250	120	125	117	125	117	200	125	143	160	186	218	181
1867	117	250	120	125	117	125	117	200	125	143	160	186	218	181
1868	117	250	120	125	117	125	117	200	125	143	150	186	182	167
1869	117	250	120	125	117	125	117	200	125	121	150	186	182	153
1870	117	250	120	100	117	100	117	173	125	143	150	157	182	153
1871	117	250	120	100	117	100	117	173	150	143	150	157	182	153
1872	117	250	120	100	117	100	117	167	125	179	150	157	182	167
1873	117	250	120	100	117	100	117	167	125	157	150	157	175	167
1874	100	200	100	88	100	88	100	150	113	157	150	143	164	167
1875	100	200	100	88	100	88	100	150	113	143	125	143	164	153
1876	100	200	100	88	100	88	100	150	100	136	125	143	145	125
1877	100	200	100	88	100	88	100	150	100	136	125	143	145	125
1878	100	200	100	88	100	88	100	133	94	121	110	129	145	125
1879	117	250	120	100	117	100	117	120	81	114	120	129	127	111
1880	117	250	120	100	117	100	117	133	94	107	125	129	127	111

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Saw and Planing Mills—(Con.).

	Kentucky, p. 469—(Con.).					Mich., Carrollton, p. 474.					Mich., Traverse City, p. 477.			
	Planer Dressing Dept.	Sawyer Dressing Dept.	Steamboat Joiner, General	Surfacer Dressing Dept.	Teamster General	Engineer General	Filer Sawing Dept.	Laborer, General	Sawyer Sawing Dept.	Teamster General	Engineer, General	Filer Sawing Dept.	Foreman Sawing Dept.	Laborer, General
Base wage	$1.37½	$1.37½	$1.60	$1.37½	$1.00	$2.37	$2.00	$1.00	$1.34½	$1.00	$5.8167	$1.00	$153.83	$ .38½
Year	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Month	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	91	91	94	91	100	100	100	100	102	94	100	100	100	119
1862	91	91	109	91	100	74	100	100	114	100	100	100	100	140
1863	127	127	125	127	138	84	119	150	139	150	100	150	100	200
1864	164	164	172	164	167	148	103	200	180	225	100	173	100	260
1865	218	218	203	218	150	148	175	175	182	200	100	261	100	300
1866	218	218	188	218	200	148	175	188	202	200	—	—	—	—
1867	218	218	188	218	250	148	175	200	209	200	100	261	100	300
1868	182	182	172	182	220	148	175	200	186	200	100	261	100	300
1869	182	182	172	182	220	157	200	200	198	190	100	261	100	300
1870	182	182	188	182	220	157	175	175	191	190	100	261	100	300
1871	182	182	172	182	220	158	175	175	195	200	153	261	150	300
1872	182	182	172	182	200	158	200	200	242	200	153	250	150	300
1873	175	175	169	175	167	169	200	200	260	225	153	289	150	300
1874	164	164	156	164	167	169	200	175	251	225	153	289	150	260
1875	164	164	156	164	150	158	188	175	200	175	153	385	150	260
1876	145	145	156	145	140	127	188	150	158	175	153	385	150	260
1877	145	145	141	145	140	121	125	125	195	150	153	385	150	260
1878	145	145	109	145	140	116	125	138	167	150	153	385	150	260
1879	127	127	—	127	140	116	125	138	186	150	153	321	150	260
1880	127	127	—	127	135	127	131	150	195	163	163	321	160	260

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

Saw and Planing Mills—(Con.).

	Mich., Traverse City, p. 477—(Con.).			New York, Utica, p. 482.										
	Sawyer Sawing Dept.	Setter Sawing Dept.	Teamster General	Bench Hand, Sash and Door Dept.	Engineer, General	Foreman, Dressing Dept.	Foreman, Sash and Door Dept.	Laborer, General	Machine Hand, Sash and Door Dept.	Matcher Dressing Dept.	Molder Dressing Dept.	Planer Dressing Dept.	Sawyer Dressing Dept.	Surfacer Dressing Dept.
Base wage	$.77	$.77	$.38½	$1.87½	$2.00	$83.3333	$83.3333	$1.25	$1.75	$1.75	$1.75	$1.75	$1.75	$1.75
Year	Day	Day	Day	Day	Day	Month	Month	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	119	100	100	100	100	100	100	100	100	100	100	100
1862	100	100	140	100	100	100	100	100	100	100	100	100	100	100
1863	130	130	200	100	100	100	100	100	100	100	100	86	86	100
1864	175	175	260	100	100	100	100	90	86	100	86	86	86	86
1865	200	200	300	100	100	100	100	90	86	100	86	86	86	86
1866	—	—	—	100	100	100	100	90	86	100	86	86	86	86
1867	200	200	300	100	100	100	100	90	86	100	86	86	86	86
1868	200	200	300	100	100	100	100	100	100	114	100	100	100	100
1869	200	200	300	100	100	100	100	100	100	114	100	100	100	100
1870	200	200	300	100	100	100	100	100	100	114	100	100	100	100
1871	200	200	300	100	100	100	100	100	100	114	100	100	100	100
1872	200	200	300	100	100	100	100	100	100	114	100	100	100	100
1873	249	249	300	100	100	100	100	100	100	114	100	100	100	100
1874	225	225	260	100	100	100	100	120	100	114	100	100	100	100
1875	225	225	260	100	100	100	100	120	100	114	100	100	100	100
1876	225	225	260	100	100	100	100	100	100	114	100	100	100	100
1877	260	260	260	100	100	100	100	100	100	129	100	100	100	100
1878	260	260	260	100	100	100	100	100	100	129	100	100	100	100
1879	260	260	260	100	100	100	100	80	100	129	100	100	100	100
1880	260	260	260	100	100	100	100	100	100	129	100	100	100	100

TABLE 6—(Continued).

Relative wages from Vol. XX of the Tenth Census.

Saw and Planing Mills—(Con.).

P. 482—(Con.). | Ohio, p. 486.

	Teamster, General	Bench Hand, Sash and Door Dept.	Engineer, General	Foreman, Dressing Dept.	Foreman, Sash and Door Dept.	Foreman, Sawing Dept.	Laborer General	Machine Hand, Sash and Door Dept.	Matcher Dressing Dept.	Molder Dressing Dept.	Planer Dressing Dept.	Sawyer Dressing Dept.	Sawyer Sawing Dept.	Teamster, General
Base wage	$1.62½	$1.50	$1.75	$65.00	$65.00	$65.00	$1.00	$1.75	$1.50	$1.75	$1.50	$1.50	$1.75	$1.25
Year	Day	Day	Day	Month	Month	Month	Day	Day	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1861	100	100	100	120	100	120	100	100	100	114	100	117	100	100
1862	100	117	100	140	100	140	100	114	133	114	133	133	114	100
1863	100	133	114	160	140	160	150	143	167	143	167	167	143	140
1864	100	183	143	200	160	200	200	200	200	171	200	200	200	200
1865	100	233	171	200	200	200	200	229	233	200	200	200	229	200
1866	100	233	171	200	200	200	200	229	250	229	200	200	229	200
1867	100	233	200	200	200	200	200	229	250	229	200	200	229	200
1868	100	233	200	200	200	200	200	229	250	229	200	200	229	200
1869	100	233	200	200	200	200	200	229	250	229	200	200	200	200
1870	100	233	200	200	200	200	200	229	250	229	—	233	200	180
1871	100	217	200	200	200	200	175	229	250	229	—	233	200	180
1872	100	217	200	200	200	200	175	229	233	214	—	233	200	160
1873	100	200	200	200	200	200	175	200	233	214	—	233	200	160
1874	100	183	200	200	200	200	150	186	233	200	—	217	186	160
1875	100	183	200	200	200	200	150	186	233	200	167	217	186	160
1876	100	167	200	200	200	200	150	186	217	186	167	217	186	140
1877	100	150	200	200	200	200	150	171	200	171	167	200	171	140
1878	100	150	200	200	200	200	150	157	200	171	167	200	157	140
1879	100	150	200	200	200	200	150	157	183	157	150	183	157	140
1880	100	150	200	200	200	200	150	143	183	143	150	167	143	140

TABLE 6—(CONTINUED).

Relative wages from Vol. XX of the Tenth Census.

	Saw and Planing Mills—(Con.).												Ship Carpentry.	
	Wisconsin, Menomonee, p. 495.						Wisconsin, p. 496.						Mo., St. Louis, p. 499.	
	Filer Sawing Dept.	Laborer, General	Sawyer Sawing Dept.	Setter Sawing Dept.	Teamster General	Engineer, General	Filer Sawing Dept.	Foreman Sawing Dept.	Laborer, General	Sawyer Sawing Dept.	Setter Sawing Dept.	Teamster General	Calker	Engineer
Base wage	$3.00	$1.08	$2.00	$1.50	$1.30	$1.50	$1.50	$52.00	$1.00	$1.50	$1.25	$1.00	$2.50	$2.88½
Year	Day	Day	Day	Day	Day	Day	Day	Month	Day	Day	Day	Day	Day	Day
1860	—	100	—	—	100	100	100	100	100	100	100	100	100	100
1861	100	106	100	100	104	100	100	100	100	100	100	100	120	100
1862	100	114	100	100	110	100	100	100	100	100	100	100	120	133
1863	100	128	100	107	123	117	133	125	113	133	120	113	120	133
1864	117	150	125	133	146	150	150	150	150	150	120	150	170	167
1865	117	150	125	133	146	167	200	200	150	183	160	150	200	200
1866	117	128	125	113	131	167	200	200	175	200	160	175	180	200
1867	117	128	125	113	131	167	200	200	150	200	160	150	150	200
1868	117	128	125	113	131	—	—	—	—	—	—	—	130	200
1869	117	121	125	113	127	—	—	—	—	—	—	—	120	133
1870	100	121	125	113	127	233	200	150	150	167	140	150	120	133
1871	100	114	138	103	115	233	200	150	150	167	140	150	120	133
1872	100	114	138	103	115	200	250	250	166	200	160	166	120	133
1873	100	114	138	103	115	167	333	250	150	267	160	150	120	133
1874	100	107	138	103	104	175	333	250	150	250	160	150	120	133
1875	100	107	138	103	104	133	267	200	125	200	120	125	120	133
1876	100	107	150	103	104	167	267	200	125	200	120	125	100	133
1877	100	100	150	115	100	133	183	150	100	200	120	100	100	133
1878	100	93	150	115	88	117	183	132	100	167	160	100	100	133
1879	100	93	175	115	88	133	200	150	113	167	160	125	120	133
1880	100	100	175	133	100	167	233	175	125	200	180	125	120	133

TABLE 6—(CONCLUDED).

Relative wages from Vol. XX of the Tenth Census.

Ship Carpentry—(Con.).

	P. 499—(Con.).		Ohio, p. 500.			
	Laborer	Ship Carpenter	Dock Hand	Laborer	Sawyer	Ship Carpenter
Base wage	$1.00	$2.50	$2.00	$1.12½	$2.25	$1.75
Year	Day	Day	Day	Day	Day	Day
1860	100	100	100	100	100	100
1861	125	120	125	111	111	143
1862	125	120	125	118	111	143
1863	125	120	125	111	111	143
1864	200	170	188	140	156	200
1865	250	200	188	140	156	200
1866	225	180	188	140	156	200
1867	188	150	188	140	156	200
1868	163	130	188	140	156	200
1869	150	120	188	140	156	200
1870	150	120	188	140	156	200
1871	150	120	163	122	133	171
1872	150	120	163	122	133	171
1873	150	120	163	122	133	171
1874	150	120	150	122	122	157
1875	150	120	138	122	111	143
1876	125	100	100	122	89	114
1877	125	100	100	122	89	114
1878	125	100	100	122	89	114
1879	125	120	100	122	89	114
1880	125	120	125	122	100	129

TABLE 7.

Actual wages per day of ''common laborers'' employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Note.—The following table gives the material from which Table 62 (p. 222) is made, so far as concerns the figures for factory laborers. The references to the ''census'' are to the *Report on the Statistics of Wages in Manufacturing Industries*, by Jos. D. Weeks, *Tenth Census*, Vol. XX. ''Aldrich'' stands for the *Aldrich Report* of 1893, Parts ii-iv (see above, p. 16, n). The data are given for the years for which corresponding information about farm wages is available. For further explanations see pp. 220-223 above.

TABLE 7.

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
1	Canning	Census	546	Maine	Portland	$2.00	$2.00	$1.50	$1.25
2	Sugar refining	Census	557	Maine	Portland	1.50	1.50	1.50	1.35
3	Cotton manufacture	Census	558	Maine	Lisbon	1.33	1.33	1.335	1.21
4	Woolen industry	Census	560	Maine	Dover	1.50	1.50	1.40	1.25
5	Carriage and wagon works	Census	560	Maine	Portland	1.50	1.50	1.25	1.25
6	Saw- and planing-mills	Census	562	Maine	Augusta	1.25	1.25	1.75	1.00
	Average for Maine	......	......	Maine	......	1.513	1.513	1.456	1.218
7	Metals and metallic goods	Aldrich	1133	New Hampshire	......	1.4325	1.415	1.4725	1.19
8	Hardware	Census	551	New Hampshire	Fisherville	1.50	1.50	1.75	1.75
9	Machinery, locomotives	Census	553	New Hampshire	Manchester	1.33	1.33	1.50	1.00
10	Cotton manufacture	Census	558	New Hampshire	Concord	1.25	1.25	1.25	1.25
11	Cotton manufacture	Census	558	New Hampshire	......	1.25	1.25	1.15	1.15
12	Woolen industry	Census	560	New Hampshire	Manchester	1.33	1.42	1.59	1.27
13	Woolen industry	Census	560	New Hampshire	......	1.375	1.50	1.50	1.25
	Average for New Hampshire	......	......	New Hampshire	......	1.353	1.381	1.459	1.266
14	Woolen industry	Census	560	Vermont	Colchester	1.25	1.25	1.25	.90
15	Agricultural implements	Aldrich	296	Massachusetts	......	1.655	1.575	1.4475	1.155
16	City public works	Aldrich	515	Massachusetts	......	1.55	1.705	1.6775	1.005
17	Cotton goods	Aldrich	756	Massachusetts	......	1.7575	1.76	1.2375	1.16
18	Metals and metallic goods	Aldrich	1086	Massachusetts	......	1.3575	1.37	1.305	1.185
19	Metals and metallic goods	Aldrich	1114	Massachusetts	......	1.50	1.40	1.55	1.75
20	Metals and metallic goods	Aldrich	1120	Massachusetts	......	1.375	1.75	1.65	1.50
21	Paper	Aldrich	1362	Massachusetts	......	1.50	1.50	1.50	1.25
22	Agricultural implements	Census	544	Massachusetts	Chicopee Falls	1.33	1.35	1.35	1.15

TABLE 7—(CONTINUED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
23	Gas and coke	Census	547	Massachusetts	East Boston	$2.333	$2.333	$2.333	$2.333
24	Flint glass	Census	548	Massachusetts	Cambridge	1.75	1.75	2.00	2.00
25	Stove founderies	Census	550	Massachusetts	Taunton	1.75	1.62	1.75	1.25
26	General founderies	Census	551	Massachusetts	Boston	1.66	1.66	1.50	1.50
27	Hardware	Census	551	Massachusetts	Chicopee	1.50	1.50	1.25	1.15
28	Hardware	Census	551	Massachusetts	....	1.25	1.50	1.25	1.25
29	Hardware	Census	551	Massachusetts	....	1.40	1.50	1.25	1.25
30	Machine shops and founderies	Census	552	Massachusetts	Worcester	1.6667	1.6667	1.6667	1.50
31	Machine shops and founderies	Census	552	Massachusetts	Worcester	1.67	2.00	1.75	1.25
32	Paper	Census	555	Massachusetts	Holyoke	1.50	1.50	1.50	1.35
33	Paper	Census	555	Massachusetts	....	1.50	1.50	1.33	1.00
34	Carpets	Census	558	Massachusetts	....	1.50	1.50	1.35	1.00
35	Cotton manufacture	Census	558	Massachusetts	Fall River	1.40	1.38	1.19	1.00
36	Cotton manufacture	Census	558	Massachusetts	Holyoke	1.25	1.333	1.25	1.25
37	Cotton manufacture	Census	558	Massachusetts	....	1.63	1.565	1.675	1.30
38	Woolen industry	Census	560	Massachusetts	Fitchburg	1.75	2.00	1.75	1.50
39	Woolen industry	Census	560	Massachusetts	....	2.02	2.255	2.20	2.045
40	Carriage and wagon works	Census	560	Massachusetts	Amesburg	1.25	1.25	1.25	1.25
	Average for Massachusetts	....	.....	Massachusetts	....	1.569	1.624	1.537	1.359
41	Woolen goods	Aldrich	1534	Rhode Island	....	1.00	1.00	.92	.92
42	Woolen industry	Census	560	Rhode Island	Coventry	1.00	1.00	1.00	1.00
	Average for Rhode Island	....	.....	Rhode Island	....	1.00	1.00	.96	.96
43	Belting	Census	544	Connecticut	Hartford	1.666	1.666	1.833	1.00
44	Gas and gas coke	Census	547	Connecticut	....	1.75	2.00	2.00	1.75
45	Blast furnaces, charcoal	Census	550	Connecticut	....	1.375	1.50	1.25	1.00

TABLE 7—(CONTINUED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
46	Hardware	Census	551	Connecticut	....	$1.50	$1.50	$1.40	$1.25
47	Paper	Census	555	Connecticut	Unionville	1.50	1.75	1.90	1.35
48	Pins	Census	556	Connecticut	Waterbury	1.50	1.75	1.75	1.50
49	Cotton manufacture	Census	558	Connecticut	North Manchester	1.50	1.50	1.50	1.50
50	Cotton manufacture	Census	558	Connecticut	Willimantic	1.50	1.75	1.50	1.25
51	Cotton manufacture	Census	558	Connecticut	....	1.333	1.00	1.125	.9167
52	Cotton manufacture	Census	558	Connecticut	....	1.25	1.25	1.125	1.00
53	Furniture	Census	561	Connecticut	New Haven	1.50	1.75	1.50	1.50
	Average for Connecticut	....	......	Connecticut	....	1.488	1.583	1.535	1.274
54	Ale, beer, and porter	Aldrich	322	New York	....	1.3025	1.3525	1.43	1.44
55	City public works	Aldrich	522	New York	....	1.90	2.00	2.00	1.60
56	Illuminating gas	Aldrich	918	New York	....	1.90	1.94	1.75	1.235
57	Metals and metallic goods	Aldrich	1173	New York	....	1.395	1.50	1.61	1.25
58	Metals and metallic goods	Aldrich	1184	New York	....	1.4925	1.7025	1.75	1.5025
59	Metals and metallic goods	Aldrich	1300	New York	....	1.52	1.59	1.575	1.3575
60	Window glass	Census	548	New York	Syracuse	1.34	1.34	1.075	1.00
61	Blast furnaces, anthracite	Census	549	New York	....	1.50	1.75	1.50	1.00
62	Machinery	Census	552	New York	Albany	1.625	1.75	1.75	1.50
63	Mining, iron	Census	554	New York	Amenia	1.57	1.63	1.15	1.00
64	Paper	Census	555	New York	Niagara Falls	1.25	1.25	1.25	1.25
65	Paper	Census	555	New York	Watertown	1.25	1.25	1.25	1.25
66	Pianos and organs	Census	556	New York	New York	1.833	1.833	1.666	1.833
67	Tanneries	Census	557	New York	....	1.375	1.375	1.25	1.125
68	Tanneries	Census	557	New York	Lancaster	1.50	1.25	1.00	1.00
69	Tanneries	Census	557	New York	Oneida	1.15	1.346	1.46	1.15
70	Tanneries	Census	557	New York	Pike Pond	1.15	1.15	1.15	1.00

TABLE 7—(CONTINUED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
71	Tanneries	Census	557	New York	Sanford	$1.35	$1.30	$1.26	$ .88
72	Tanneries	Census	557	New York	Wellsville	1.50	1.50	1.25	1.25
73	Cotton manufacture	Census	558	New York	Cohoes	1.25	1.25	1.25	1.00
74	Woolen industry	Census	560	New York	......	1.25	1.25	1.15	1.15
75	Woolen industry	Census	560	New York	West Troy	1.40	1.30	1.2375	1.00
76	Furniture	Census	561	New York	New York	1.75	1.75	1.50	1.75
77	Furniture	Census	561	New York	......	1.50	1.50	1.50	1.50
78	Saw- and planing-mills	Census	563	New York	Utica	1.125	1.25	1.50	1.00
	Average for New York	......	......	New York	......	1.447	1.484	1.411	1.241
79	Building trades	Aldrich	433	New Jersey	......	1.805	1.83	1.835	1.61
80	Metals and metallic goods	Aldrich	1158	New Jersey	......	1.75	1.845	1.905	1.5325
81	Cigars and tobacco	Census	546	New Jersey	......	1.12	1.25	1.50	1.25
82	Window glass	Census	548	New Jersey	Glassboro'	1.50	1.40	1.25	1.10
83	Blast furnaces, anthracite	Census	549	New Jersey	Oxford	1.25	1.37	1.06	.85
84	Founderies, general	Census	551	New Jersey	Millville	1.75	1.70	1.50	1.00
85	Machinery	Census	552	New Jersey	Paterson	1.3925	1.416	1.125	1.125
86	Tin and sheet iron works	Census	553	New Jersey	Newark	2.50	2.50	1.25	1.50
87	Paper	Census	555	New Jersey	......	1.25	1.25	1.00	1.25
88	Pottery and earthen-ware	Census	557	New Jersey	Newark	1.50	1.75	1.50	1.00
89	Silk manufacture	Census	559	New Jersey	......	1.50	1.50	1.50	1.50
	Average for New Jersey	......	......	New Jersey	......	1.574	1.619	1.402	1.247
90	City public works	Aldrich	532	Pennsylvania	......	1.75	1.7775	1.81	1.50
91	City public works	Aldrich	546	Pennsylvania	......	1.75	1.75	1.50	1.25
92	Metals and metallic goods	Aldrich	1342	Pennsylvania	......	1.585	1.545	1.30	1.20
93	Metals and metallic goods	Aldrich	1354	Pennsylvania	......	1.50	1.50	1.30	1.15

TABLE 7—(CONTINUED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
94	Spice	Aldrich	1394	Pennsylvania	....	$1.75	$1.61	$1.665	$1.47
95	Stone	Aldrich	1450	Pennsylvania	....	1.50	1.50	1.75	1.875
96	White lead	Aldrich	1457	Pennsylvania	....	1.75	2.00	1.5625	1.24
97	Brick making	Census	545	Pennsylvania	Philadelphia	1.50	1.75	1.50	1.25
98	Flint glass	Census	548	Pennsylvania	Philadelphia	1.67	1.67	1.50	1.50
99	Flint glass	Census	548	Pennsylvania	Pittsburg	1.666	1.666	1.666	1.50
100	Flint glass	Census	548	Pennsylvania	....	1.666	1.666	1.666	1.50
101	Window glass	Census	548	Pennsylvania	Belle Vernon	2.00	2.00	1.50	1.50
102	Blast furnaces, anthracite	Census	549	Pennsylvania	Catasauqua	1.53	1.50	1.10	.85
103	Blast furnaces, anthracite	Census	549	Pennsylvania	....	1.50	1.33	1.12	.965
104	Blast furnaces, charcoal	Census	550	Pennsylvania	Boiling Springs	1.00	1.00	.90	.90
105	Founderies, stove	Census	550	Pennsylvania	Philadelphia	1.468	1.405	1.062	1.396
106	Machinery, locomotives	Census	553	Pennsylvania	....	2.125	1.875	1.55	1.225
107	Rolling mills and nail factories	Census	553	Pennsylvania	Pittsburg	1.875	1.583	1.0625	1.00
108	Paper	Census	555	Pennsylvania	Roaring Spring	1.10	1.10	1.00	1.10
109	Paper	Census	555	Pennsylvania	....	1.50	1.833	1.833	1.65
110	Tanneries	Census	557	Pennsylvania	Emporium	1.75	1.75	1.25	1.25
111	Cotton manufacture	Census	558	Pennsylvania	Philadelphia	1.50	1.50	1.50	1.50
112	Car works	Census	561	Pennsylvania	Philadelphia	1.50	1.50	1.333	1.25
113	Furniture	Census	562	Pennsylvania	Philadelphia	1.50	1.50	1.50	1.50
	Average for Pennsylvania	....	......	Pennsylvania	....	1.601	1.596	1.414	1.313
114	Metals and metallic goods	Aldrich	1063	Maryland	....	1.61	1.575	1.33	1.035
115	Stone	Aldrich	1428	Maryland	....	1.78	1.7325	1.71	1.475
116	Mining, coal	Census	554	Maryland	....	2.00	2.25	1.1825	1.04
117	Saw- and planing-mills	Census	562	Maryland	Deer Park	1.60	1.50	1.15	1.10
	Average for Maryland	....	......	Maryland	....	1.748	1.764	1.343	1.162

TABLE 7—(CONTINUED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
118	Woolen industry	Census	560	Delaware	....	$1.333	$1.25	$1.25	$1.25
119	Flour- and grist-mills	Census	547	West Virginia	Wheeling	1.833	1.833	1.833	1.166
120	Illuminating gas	Aldrich	931	Ohio	....	1.90	1.75	1.50	1.25
121	Agricultural implements	Census	544	Ohio	....	1.33	1.67	1.50	1.50
122	Agricultural implements	Census	544	Ohio	Massillon	1.50	1.50	1.25	1.20
123	Breweries and distilleries	Census	545	Ohio	Columbus	1.73	1.73	1.53	1.73
124	Cigars and tobacco	Census	546	Ohio	....	1.00	1.00	1.00	1.00
125	Blast furnaces, bituminous	Census	549	Ohio	Martins Ferry	1.50	1.50	1.40	1.10
126	Blast furnaces, bituminous	Census	549	Ohio	Youngstown	1.75	1.62	1.25	1.06
127	Machinery	Census	552	Ohio	....	1.50	1.50	1.50	1.25
128	Paints and white lead	Census	555	Ohio	Cleveland	1.50	1.67	1.25	1.17
129	Pottery and earthen-ware	Census	557	Ohio	East Liverpool	1.875	1.875	1.875	1.50
130	Pottery and earthen-ware	Census	557	Ohio	East Liverpool	1.75	1.75	1.50	1.50
131	Pottery and earthen-ware	Census	557	Ohio	Liverpool Town	1.50	1.50	1.35	1.10
132	Tanneries	Census	557	Ohio	Cincinnati	1.66	1.66	1.50	1.50
133	Furniture	Census	562	Ohio	Columbus	1.50	1.50	1.50	1.50
134	Furniture	Census	562	Ohio	Marietta	1.75	1.50	1.00	1.00
135	Saw- and planing-mills	Census	563	Ohio	....	2.00	2.00	1.50	1.50
136	Ship carpentry	Census	563	Ohio	....	1.58	1.58	1.375	1.375
	Average for Ohio	....	......	Ohio	....	1.607	1.606	1.399	1.308
137	Flour- and grist-mills	Census	546	Indiana	Fort Wayne	1.25	1.25	1.35	1.15
138	Flour- and grist-mills	Census	546	Indiana	Lafayette	1.583	1.458	1.333	1.00
139	Gas and gas coke	Census	547	Indiana	Indianapolis	1.75	1.75	1.75	1.25
140	Machinery	Census	552	Indiana	Lafayette	1.50	1.50	1.25	1.25
141	Machine shops and founderies	Census	552	Indiana	New Albany	1.25	1.25	1.00	1.00

TABLE 7—(CONTINUED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
142	Machinery, locomotives	Census	553	Indiana	Evansville	$1.90	$1.75	$1.52	$1.25
143	Paper	Census	555	Indiana	Evansville	1.166	1.333	1.00	1.00
144	Pork packing	Census	556	Indiana	Indianapolis	1.25	1.50	1.00	1.00
145	Woolen industry	Census	560	Indiana	Indianapolis	2.00	1.50	1.666	1.25
146	Carriage and wagon works	Census	560	Indiana	Indianapolis	1.25	1.25	1.00	1.25
147	Furniture	Census	561	Indiana		.833	1.00	1.25	1.00
	Average for Indiana			Indiana		1.43	1.413	1.283	1.127
148	Flour- and grist-mills	Census	546	Illinois	Belleville	1.50	1.50	1.40	1.25
149	Flour- and grist-mills	Census	546	Illinois		1.666	1.666	1.333	1.333
150	Ice industry	Census	549	Illinois	Peoria	1.25	1.50	1.50	1.25
151	Founderies, stove	Census	550	Illinois	Quincy	1.50	1.50	1.25	1.50
152	Woolen industry	Census	560	Illinois	Springfield	1.50	1.25	1.25	1.25
	Average for Illinois			Illinois		1.483	1.483	1.346	1.316
153	Machinery	Census	552	Michigan	Detroit	1.625	1.50	1.30	1.30
154	Furniture	Census	561	Michigan		2.00	1.60	1.40	1.30
155	Saw- and planing-mills	Census	562	Michigan	Carrollton	1.875	2.00	1.75	1.375
	Average for Michigan			Michigan		1.833	1.70	1.483	1.325
156	Flour- and grist-mills	Census	547	Wisconsin	Neenah	1.00	1.25	1.33	1.33
157	Paper	Census	555	Wisconsin		1.75	1.25	1.00	1.10
158	Carriage and wagon works	Census	560	Wisconsin	Whitewater	1.50	1.25	1.25	1.00
159	Furniture	Census	562	Wisconsin		1.50	1.50	1.25	1.50
160	Saw- and planing-mills	Census	563	Wisconsin	Eau Claire	1.40	1.40	1.25	1.35
161	Saw- and planing-mills	Census	563	Wisconsin	Menomonee	1.385	1.31	1.153	1.00
	Average for Wisconsin			Wisconsin		1.423	1.327	1.206	1.213

TABLE 7—(CONCLUDED).

Actual wages per day of "common laborers" employed by manufacturing establishments in 1866, 1869, 1875, and 1879.

Serial No.	Industry	Source	Page	State	Town	1866 Actual Wages	1869 Actual Wages	1875 Actual Wages	1879 Actual Wages
162	Flour- and grist-mills	Census	546	Iowa	De Soto	$ .88	$ .90	$ .96	$ .88
163	Woolen industry	Census	560	Iowa	Manchester	1.50	1.50	1.25	1.25
	Average for Iowa	....	.....	Iowa	....	1.19	1.20	1.105	1.065
164	Brick making	Census	545	Missouri	St. Louis	2.00	2.00	1.625	1.375
165	Brick making	Census	545	Missouri	St. Louis	1.75	2.00	1.25	1.10
166	Cigars and tobacco	Census	546	Missouri	St. Louis	1.85	1.66	1.40	1.50
167	Flour- and grist-mills	Census	547	Missouri	Pay Down	1.25	1.00	.75	.75
168	Machinery	Census	552	Missouri	St. Louis	1.60	1.80	1.50	1.40
169	Ship carpentry	Census	563	Missouri	St. Louis	2.25	1.50	1.50	1.25
	Average for Missouri	....	.....	Missouri	....	1.783	1.66	1.337	1.229
170	Agricultural implements	Census	544	Kentucky	....	1.333	1.333	1.333	1.333
171	Furniture	Census	561	Kentucky	Louisville	1.50	1.50	1.75	1.75
172	Furniture	Census	561	Kentucky	Louisville	1.50	1.50	1.25	1.50
173	Furniture	Census	561	Kentucky	Louisville	1.25	1.33	1.25	1.25
174	Furniture	Census	561	Kentucky	....	1.50	1.50	1.25	1.25
175	Saw- and planing-mills	Census	562	Kentucky	....	1.60	1.50	1.25	1.20
176	Saw- and planing-mills	Census	562	Kentucky	Louisville	1.50	1.50	1.25	1.25
	Average for Kentucky	....	.....	Kentucky	....	1.455	1.452	1.333	1.362
	Average for Eastern States					1.522	1.555	1.446	1.275
	Average for Western States					1.534	1.506	1.331	1.255

H. md